Issued: May 27, 2008

Storm Series®
Ranger II™ MWD and
(Chairs for WSBT Before 3/1/00)
Powered Wheelchairs

INVACARE

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Parts Catalog Usage Guide

The information contained in this document is subject to change without notice. This catalog contains service parts for Form No. 97-187. If you have any questions regarding this catalog, please contact one of our Customer Service Representatives.

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SYMBOL DEFINITION

Throughout this catalog you will notice letters to draw your attention to specific footnotes which are located at the bottom of the page or below specified charts.

Examples:

A,B,C etc.	=	Special Comments
NOTE:	=	General information pertaining to that specific page
NLA	=	No Longer Available

HARDWARE MEASUREMENTS

The measurements for the hardware will be listed as follows:

Screws, Bolts	Diameter X Thread Count/Pitch X Length
Washers	Inside Diameter X Outside Diameter X Thickness
Spacers	Inside Diameter X Outside Diameter X Length

For your convenience, we have supplied an area for you to list your Invacare Representatives.

Name	Phone Numbers

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Frame Finishes, Touch-Up Paint and Upholstery Options

Frame Finishes and Touch-Up Paint

Color Number	Part Number	Bottle Size	Color
02P	1031452	.6 oz.	Pink Pearl
06P	1031454	.6 oz.	Super Teal
08P	1031456	.6 oz.	Deep Purple
17P	1046319	.6 oz.	Cobalt Blue
22P	1033376	.6 oz.	Anthracite
24P	1031450	.6 oz.	Wet Black
29P	1031447	.6 oz.	White
33P	1031455	.6 oz.	Red
34P	1046327	.6 oz.	Flat Black
61P	1046321	.6 oz.	Electric Red
62P	1046320	.6 oz.	Electric Blue
64P	1046324	.6 oz.	Metallic Blue
69P	1101320-NLA	.6 oz.	Teflon Black
71P	N/A	N/A	Silver Vein
80P	1073892	.6 oz.	Evergreen w/Navy
81P	1073893	.6 oz.	Dark Olive w/Copper
82P	1073894	.6 oz.	Fruit Punch w/Fucshia
83P	1073895	.6 oz.	Royal Blue w/Grape
84P	1073896	.6 oz.	Lavender
101P	1101325	.6 oz.	Jewled Green
102P	1101327	.6 oz.	Denim Blue
103P	1101324	.6 oz.	Mocha Frost
104P	1101316	.6 oz.	Electric Teal
105P	1101326	.6 oz.	Midnight Blue

Frame Finishes, Touch-Up Paint and Upholstery Options

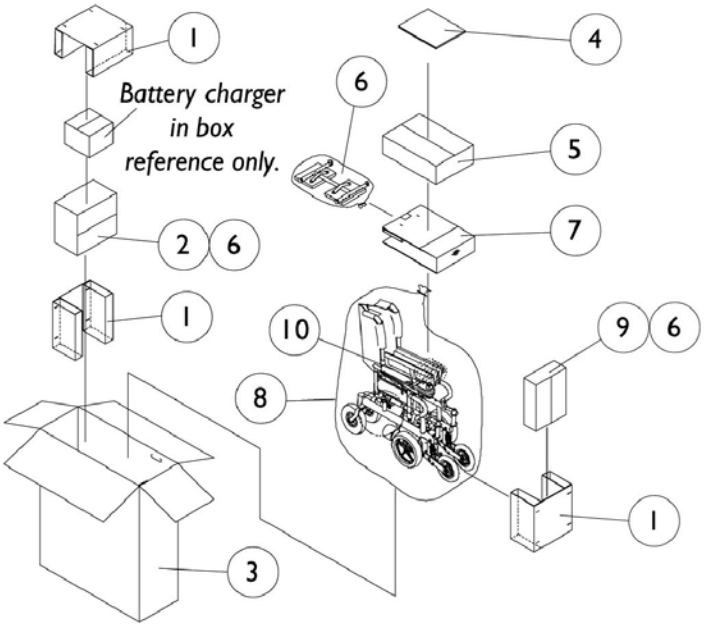
Sparkle Frame Finishes

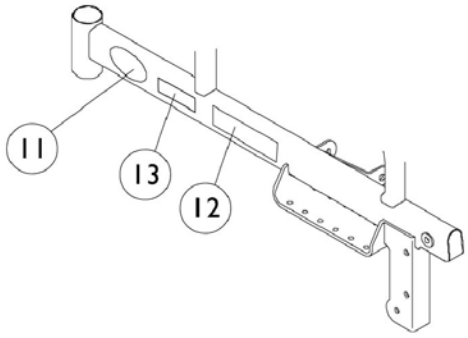
Color Number	Color
72P	Twilight Sparkle
73P	Gold Sparkle
74P	Green Sparkle
75P	Blue Sparkle
76P	Red Sparkle
88P	Wet Black w/Twilight Sparkle

Upholstery Options

Vinyl Colors	Nylon Colors
U67 Black	U240 Black
U75 Dove Grey	
U85 Dark Blue	
U86 Ruby	
U97 Sky Blue	
U88 Camel	

Packaging, Literature and Decals
Sling Seat without Shrouds





Right/Left Outside of Frame

Packaging, Literature and Decals
Sling Seat without Shrouds

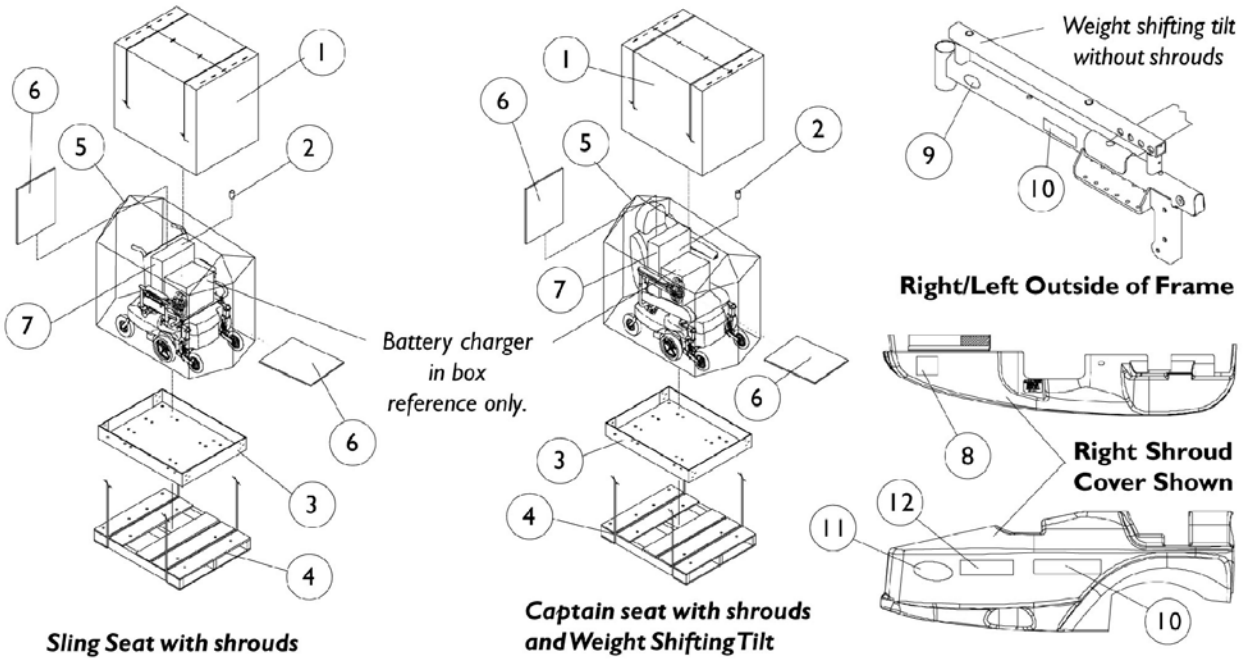
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1074356-NLA	Insert, Carton	1	3
2		1023167	Carton, Battery Boxes	1	1
3		1074355	Carton	1	1
4		40131X039	Insert	1	1
5		40131X011	Carton, Front Riggings	1	1
6		1021866	Bag, Poly (15" Wide x 26" Long)	1	4
7		1023165	Insert	1	1
8		1015592	Bag, Poly (72" L x 35" W x 19" D)	1	1
9		40131X148	Carton, Hardware	1	1
10		1043198-NLA	Tube, Paper	1	1
11	A	1090146	Decal, Invacare 3-D Logo (1-19/32" L)	1	2
12	A,B,D	1095224	Decal, Model, Ranger II (Black)	1	2
12	A,E	1095225	Decal, Model, Ranger II (White)	1	2
13		1097104-NLA	Decal, 250-S	1	2
	C	1074139-NLA	Decal, MWD	1	2
	C	1065145-NLA	Decal, Virtual Service	1	2
	C	1035900	Decal, Transportation	1	1
	C	1119281	Name Plate, Patent Numbers	1	1
	C	1100911	Decal, Stabilizer Patent	1	1
	C	1095272	Manual, Instruction MKIV RII	1	1
	C	1080722	Owner's Manual - Ranger II and R2 jr.	1	1

NOTE: A - Invacare logo added and model decals changed 1/11/00. When replacing side frames before 1/11/00 order decals in pairs to match.
B - Used for chairs with frame colors 02P, 29P and 84P only.
C - Not Shown.
D - (Black) Weight Shifting Tilt After 2/29/00.
E - (White) Weight Shifting Tilt After 2/29/00.

NOTE: When adjusting or replacing parts, please refer to your Owner's Manual for assistance.

Packaging, Literature and Decals

Sling Seat with Shrouds, Captain Seat and Weight Shifting Tilt



Sling Seat with shrouds

Captain seat with shrouds and Weight Shifting Tilt

Packaging, Literature and Decals

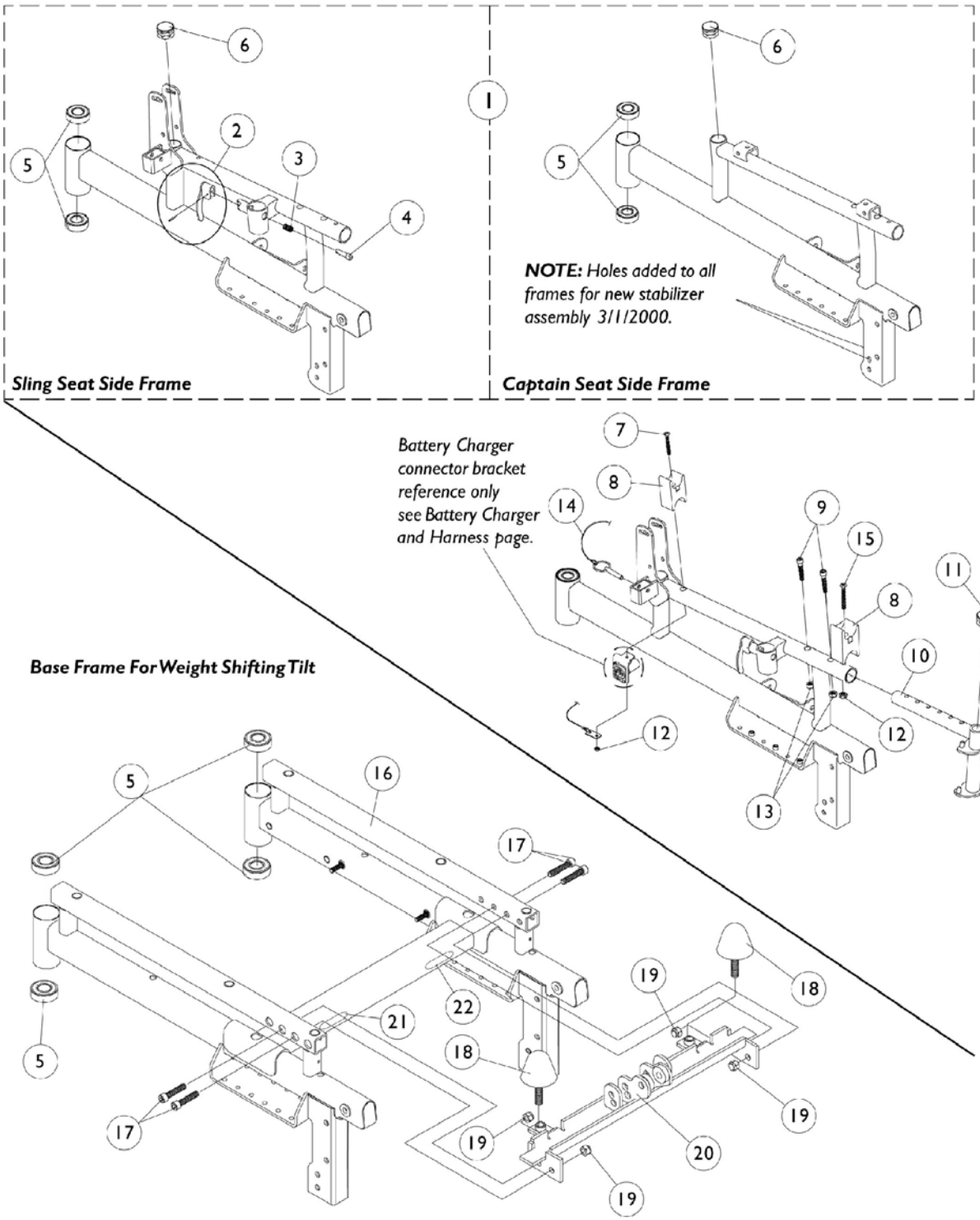
Sling Seat with Shrouds, Captain Seat and Weight Shifting Tilt

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	G	1030364	Carton, Cover	1	1
1	H	1031682	Carton, Cover	1	1
2		1043198-NLA	Tube, Paper	1	1
3		1030362	Carton, Tray	1	1
4	F	See Note	See Footnote	1	1
5		1015592	Bag, Poly (72" L x 35" W x 19" D)	1	1
6		40131X161	Insert, Plain Pad	1	2
7		40131X011	Carton, Front Riggings	1	1
8		1076575-NLA	Decal, Caution, Limit Switch	1	1
9	A	1090146	Decal, Invacare 3-D Logo (1-19/32" L)	1	2
10	A,B,D	1095224	Decal, Model, Ranger II (Black)	1	2
10	A,E	1095225	Decal, Model, Ranger II (White)	1	2
11	A	1095489	Decal, Invacare 3-D Logo (2-1/2" L)	1	2
12		1097104-NLA	Decal, 250-S	1	2
	C	1074139-NLA	Decal, MWD	1	2
	C	1065145-NLA	Decal, Virtual Service	1	2
	C	1035900	Decal, Transportation	1	1
	C	1119281	Name Plate, Patent Numbers	1	1
	C	1100911	Decal, Stabilizer Patent	1	1
	C	1043576	Manual, Service MKIV Electronics	1	1
	C	1095272	Manual, Instruction MKIV RII	1	1
	C	1080722	Owner's Manual - Ranger II and R2 jr.	1	1
	C	98007X005	Cable Tie (11-1/2" Long)	1	5

NOTE: A - Invacare logo added and model decals changed 1/11/00. When replacing side frames before 1/11/00, order decals in pairs to match.
B - Used for chairs with frame colors 02P, 29P and 84P only.
C - Not Shown.
D - (Black) Weight Shifting Tilt After 2/29/00.
E - (White) Weight Shifting Tilt After 2/29/00.
F - Wooden skid not provided.
G - Sling Seat, Low Back Captain Seat and Weight Shifting Tilt.
H - High Back Captain Seat.

NOTE: When adjusting or replacing parts, please refer to your Owner's Manual for assistance.

Frames and Hardware



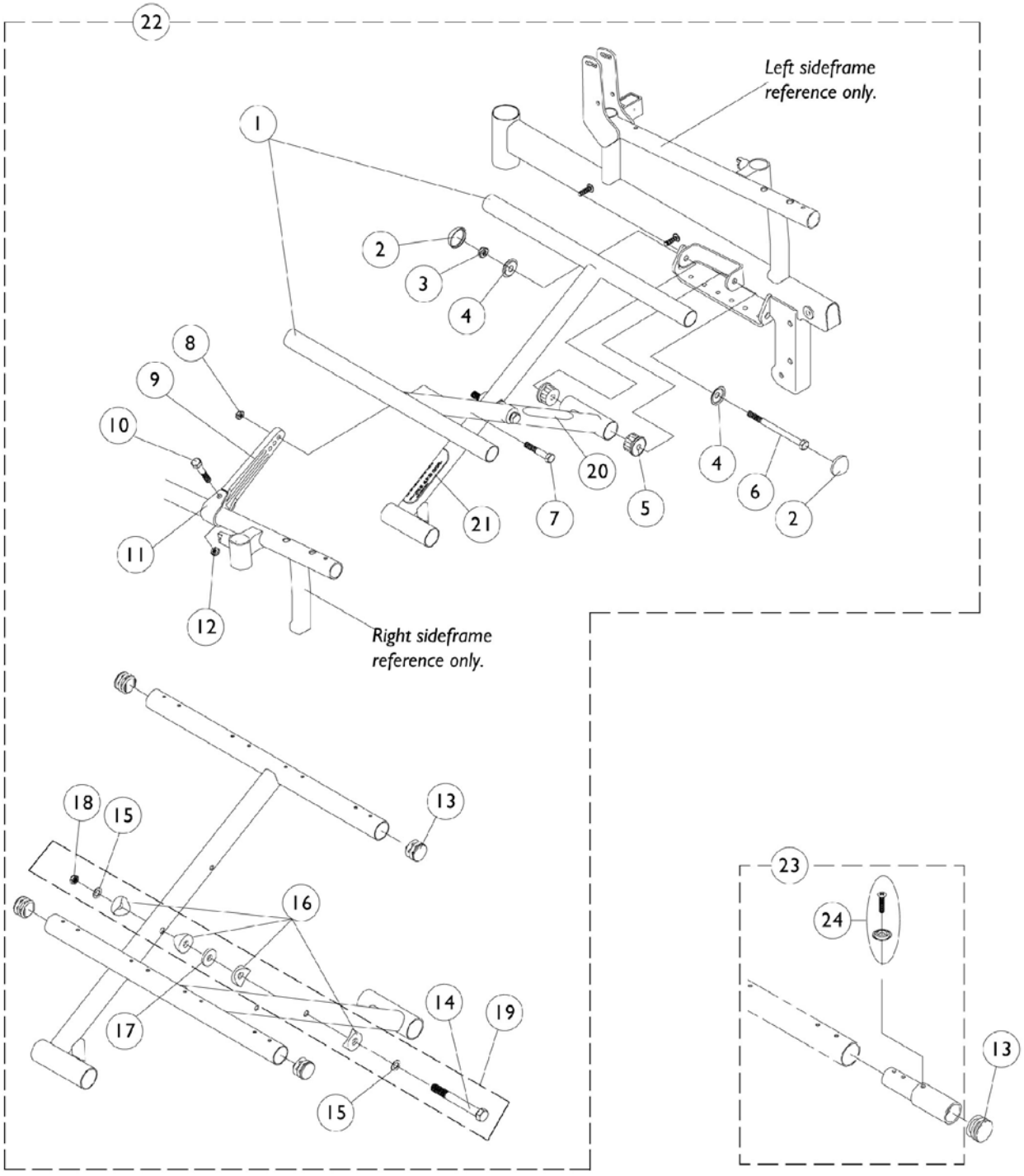
Frames and Hardware

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A,B	8881071541	Side Frames with Bearings, Sling Seat, Right	1	1
1	A,B	8881071542	Side Frames with Bearings, Sling Seat, Left	1	1
1	A,C	8881074147	Side Frames with Bearings, Captain Seat, Right	1	1
1	A,C	8881074148	Side Frames with Bearings, Captain Seat, Left	1	1
1	C,E	1081016	Captain Seat Side Frames, Right	1	1
1	C,E	1081017	Captain Seat Side Frames, Left	1	1
2		1090768	Kit, Lock Handle w/Rivets (both LT & RT side)	2	1
3		47471X074	Spring, Arm Lock	1	1
4		1028594	Pin, Arm Lock	1	1
5		40117X006	Bearing (5/8")	1	2
6		1029501	Plug Button, Black (1")	1	1
7	D	1085124	Screw, Socket Flat Head (#10-32 x 1-3/4")	1	2
8		1007541	Seat Guide	1	2
9		7930304	Screw, Socket Head (1/4-20 x 1-1/4")	25	1
10		1060099	Front Rigging Hanger - Right	1	1
10		1060100	Front Rigging Hanger - Left	1	1
11		1027097	Plug Button, Black (3/4")	1	1
12		1025731	Locknut (#10-32)	1	2
13		7930333	Locknut (1/4-20)	25	1
14	D	1068039	Pin, Pull	1	1
15		1085134	Screw, Socket Flat Head C'Sunk (#10-32 x 1-5/8")	1	1
16	A,B,F	1079192	Base Frame with Bearings	1	1
17		1021344	Screw, Socket Head Cap (5/16-18 x 1-1/2")	1	4
18		0225100	Bumper, Tilt	1	2
19		1026158	Locknut (5/16-18)	1	4
20		1098615	Bracket, Black Link (Caution Decals Included)	1	1
21		1035900	Decal, Transportation	1	1
22		60106X013	Name Plate, Patent Numbers	1	1

NOTE: A - Decals not included with frames. See page titled, "Packaging, Literature and Decals."
B - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."
C - Captain seat side frames come in 24P wet black only.
D - Screws changed 9/16/99 and serve as a direct replacement for chairs manufactured before 9/16/99.
E - Captain Seat Side Frames with serial numbers 98F39748 - 98F39877 must use #1081016 and/or #1081017.
F - Weight Shifting Tilt.

NOTE: Sling seats with shrouds and Weight Shift Tilt seat frame with shrouds come in 24P wet black only.

Crossbraces, Seat Extensions and Hardware
Sling Seat



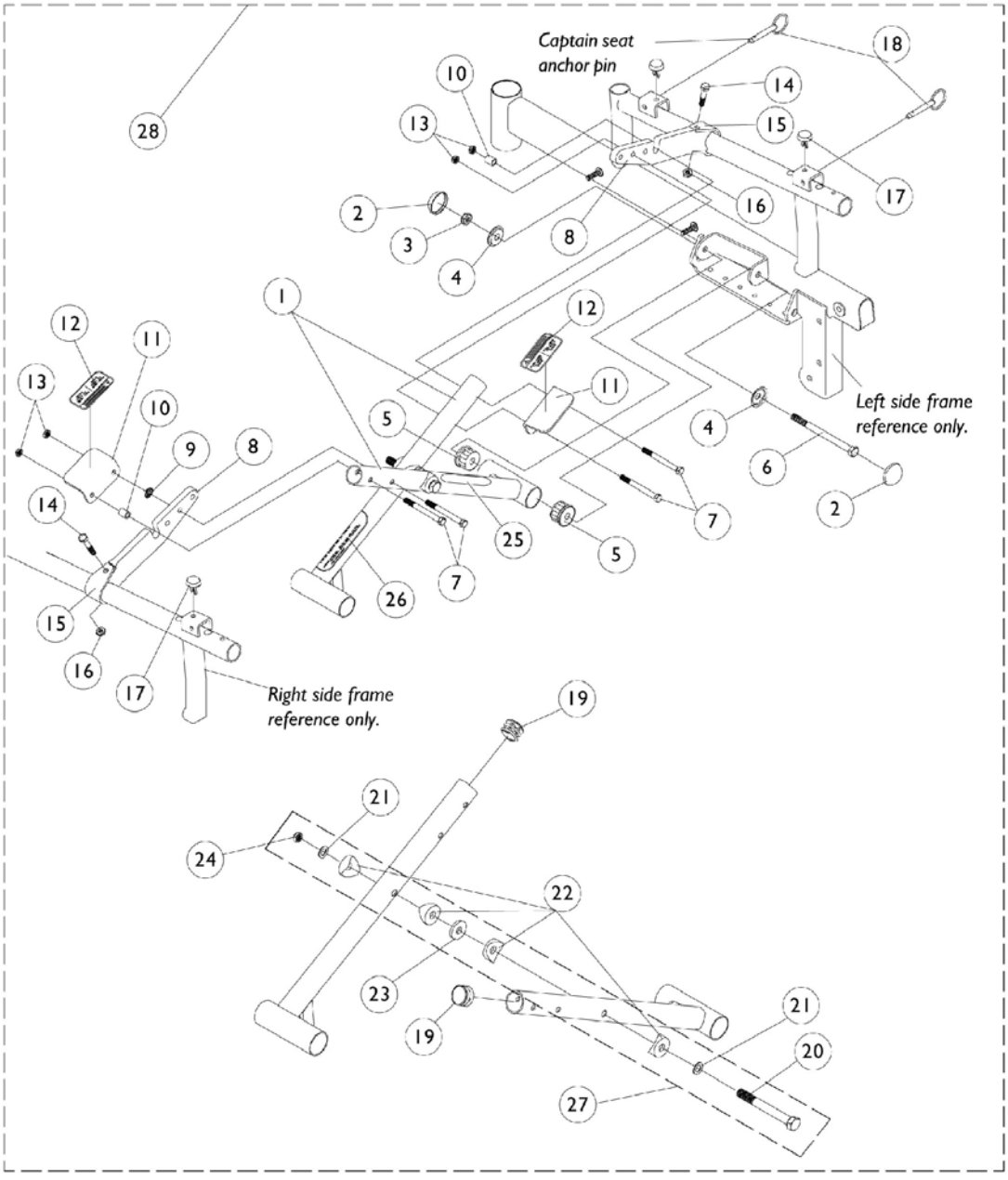
Crossbraces, Seat Extensions and Hardware

Sling Seat

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	C	1071545	X-Brace Assembly, Black, 16" Wide	1	2
1	C	1071546	X-Brace Assembly, Black, 18" Wide	1	2
1	C	1071547	X-Brace Assembly, Black, 20" Wide	1	2
2		1028835	Cap, Hub (Black)	1	4
3		7930363	Package, Locknut (5/16"-24)	25	1
4		1028491	Washer, Caplugs (11/32" I.D. x 1" O.D.)	1	4
5		1056708	Plug, Pivot Tube	1	4
6		1038179	Screw, Hex Head (5/16-24 x 4-1/4")	1	2
2-6	A,B,I	1057830	Hardware, Crossbrace Pivot Tube	2	1
7		1024793	Screw, Hex Head (1/4-20 x 1-3/4")	1	2
8		1025736	Locknut (1/4-20)	1	4
9		1057382	Pivot Link, 16-18" Wide - Hemi	1	2
9		1057383	Pivot Link, 19-20" Wide - Hemi	1	2
10		1030949	Screw, Hex Head (1/4-20 x 1-1/2")	1	2
11		1057828	Strap, Pivot Link	1	2
12		7930323	Package, Locknut (1/4-20)	25	1
13		1029501	Plug Button, Black (1")	1	4
14		1025705	Screw, Hex Head (5/16-24 x 3-1/4")	1	2
15		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	1
16		1016263	Spacer, Coved (3/4 x 1 x 1/2")	1	4
17		7930313	Washer, Nylon (5/16 x 7/8 x 1/8")	25	1
18		7930330	Locknut (5/16-24)	25	1
19	D	1086180	Hardware, Crossbrace Center Bolt Attaching	1	1
20		1035900	Decal, Transportation	1	1
21		1119281	Name Plate, Patent Numbers	1	1
22	E,F	1071503	Crossbrace Hardware	1	1
23	G	1058616-NLA	Seat Extension Kit - 1" (Pair)	2	1
23	H	1058617	Seat Extension Kit - 2" (Pair)	2	1
24		1026298	Screws with Washers (#10 x 7/8")	2	1
24		1076284	Screw w/ washer (#10 x 7/8")	1	2
24	A	40163X003	Screw, Phillips Pan Head (#10 X 5/8")	1	2

NOTE:
A - Solid Folding Seats only.
B - Includes items 2 through 6.
C - Decals not included with crossbraces. See items 20 and 21.
D - Includes items 14-18.
E - Less items 1 and 9.
F - Includes items 2-8, 10-18, 20 and 21.
G - For 17" Depth.
H - For 18" Depth.
I - Pair.

Crossbraces and Hardware - Before 7/1/99
Captain Seat



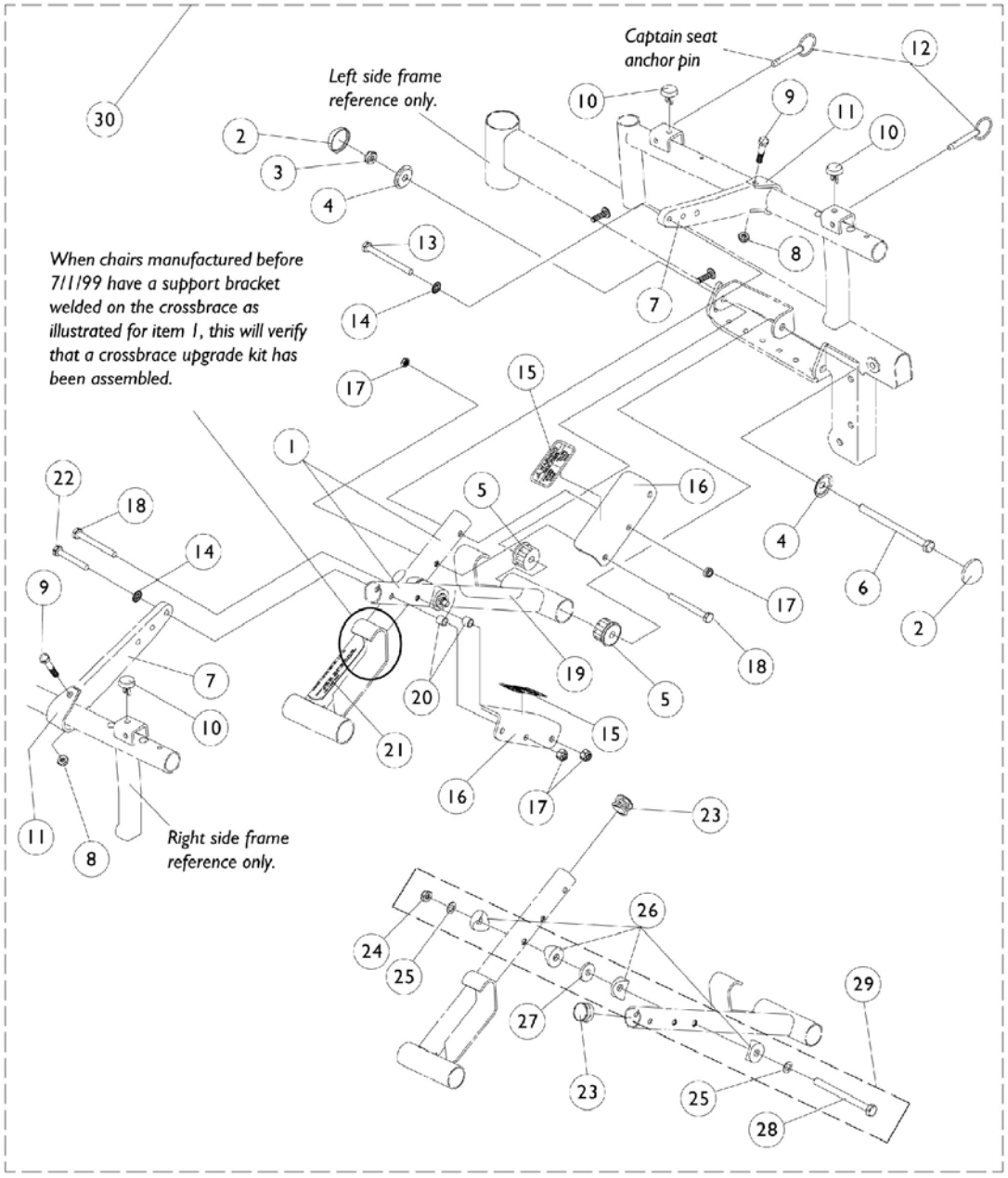
Crossbraces and Hardware - Before 7/1/99

Captain Seat

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1071586-NLA	Crossbraces, Captain Seat (18" Wide)	1	2
2		1028835	Cap, Hub (Black)	1	4
3		7930363	Package, Locknut (5/16"-24)	25	1
4		1028491	Washer, Caplugs (11/32" I.D. x 1" O.D.)	1	4
5		1056708	Plug, Pivot Tube	1	4
6		1038179	Screw, Hex Head (5/16-24 x 4-1/4")	1	2
2-6	B,C,F	1057830	Hardware, Crossbrace Pivot Tube	2	1
7		1024796	Screw, Hex Head (1/4-20 x 2")	1	4
8	A	1074109-NLA	Pivot Link	1	2
9		1018739	Washer (1/4 x 5/8 x 3/32")	1	1
10	A	1071583-NLA	Spacer (1/4 x 3/8 x 15/32")	1	2
11	A	1074141-NLA	Bracket, Push	1	2
12		1074142	Decal, Crossbrace	1	2
13		7930333	Locknut (1/4-20)	25	1
14		1030949	Screw, Hex Head (1/4-20 x 1-1/2")	1	2
15		1057828	Strap, Pivot Link	1	2
16		7930323	Package, Locknut (1/4-20)	25	1
17		1071604	Bumper, Nylon	1	4
18		1071602	Pin, Anchor (Captain Seat)	1	4
19		1029501	Plug Button, Black (1")	1	4
20		1025705	Screw, Hex Head (5/16-24 x 3-1/4")	1	2
21		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	2
22		1016263	Spacer, Coved (3/4 x 1 x 1/2")	1	4
23		7930313	Washer, Nylon (5/16 x 7/8 x 1/8")	25	1
24		7930330	Locknut (5/16-24)	25	1
25		1035900	Decal, Transportation	1	1
26		1119281	Name Plate, Patent Numbers	1	1
27	E	1086180	Hardware, Crossbrace Center Bolt Attaching	1	1
28	A,D	1074118-NLA	Crossbrace Hardware	1	1

NOTE: A - Chairs manufactured before 7/1/99 need to be assembled with the crossbrace upgrade kit #1086801. Upgrade kit components can be found on Crossbraces and Hardware page dated after 6/30/99
B - Not Shown.
C - Includes items 2 through 6.
D - Less items 1 and 8. Includes items 2-7 and 9-26.
E - Includes items 20-24.
F - Pair

Crossbraces and Hardware - After 6/30/99
Captain Seat

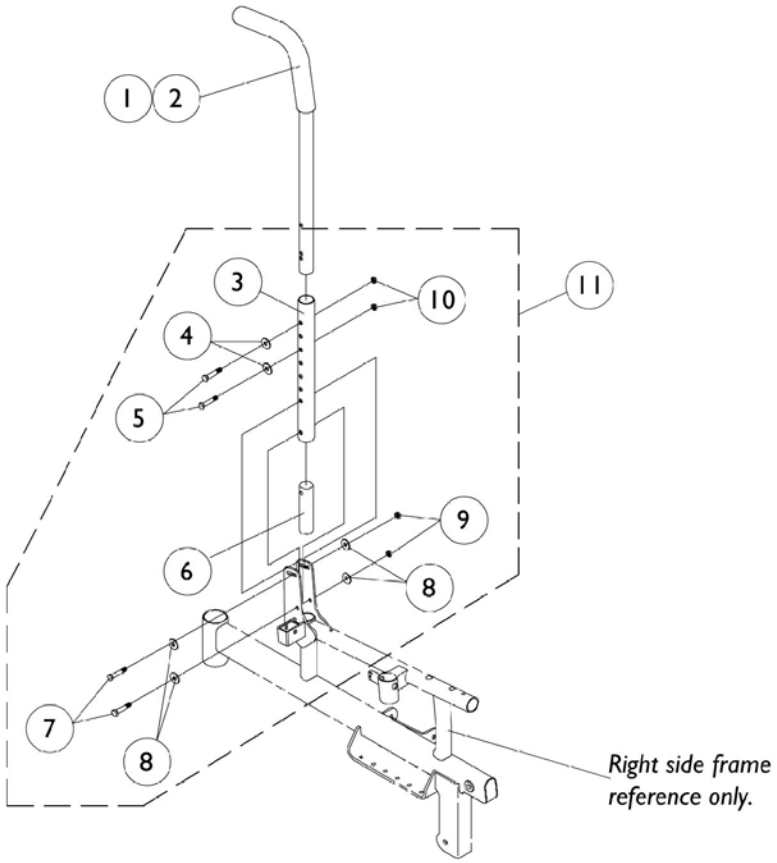

Captain seat anchor pin
Left side frame reference only.
When chairs manufactured before 7/11/99 have a support bracket welded on the crossbrace as illustrated for item 1, this will verify that a crossbrace upgrade kit has been assembled.
Right side frame reference only.

Crossbraces and Hardware - After 6/30/99
Captain Seat

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	B	1086578	Crossbrace w/Support Bracket, 18" Wide	1	2
2		1028835	Cap, Hub (Black)	1	4
3		7930363	Package, Locknut (5/16"-24)	25	1
4		1028491	Washer, Caplugs (11/32" I.D. x 1" O.D.)	1	4
5		1056708	Plug, Pivot Tube	1	4
6		1038179	Screw, Hex Head (5/16-24 x 4-1/4")	1	2
2-6	C,D,H	1057830	Hardware, Crossbrace Pivot Tube	2	1
7		1057382	Pivot Link, 16-18" Wide - Hemi	1	2
8		7930323	Package, Locknut (1/4-20)	25	1
9		1030949	Screw, Hex Head (1/4-20 x 1-1/2")	1	2
10		1071604	Bumper, Nylon	1	4
11		1057828	Strap, Pivot Link	1	2
12		1071602	Pin, Anchor (Captain Seat)	1	4
13		1024796	Screw, Hex Head (1/4-20 x 2")	1	1
14		1026900	Washer (1/4 x 23/32 x 1/16")	1	2
15		1074142	Decal, Crossbrace	1	2
16	B	1086800	Bracket, Black Push	1	2
17		7930333	Locknut (1/4-20)	25	1
18		1024793	Screw, Hex Head (1/4-20 x 1-3/4")	1	2
19		1035900	Decal, Transportation	1	1
20		1031884	Bushing (9/32 x 3/8 x 11/32") Black or Color Chairs	1	2
21		1119281	Name Plate, Patent Numbers	1	1
22		1026154	Screw, Hex Head (1/4-20 x 2-1/4")	1	1
23		1029501	Plug Button, Black (1")	1	2
24		7930330	Locknut (5/16-24)	25	1
25		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	2
26		1016263	Spacer, Coved (3/4 x 1 x 1/2")	1	4
27		7930313	Washer, Nylon (5/16 x 7/8 x 1/8")	25	1
28		1025705	Screw, Hex Head (5/16-24 x 3-1/4")	1	1
29	G	1086180	Hardware, Crossbrace Center Bolt Attaching	1	1
30	E	1086794	Crossbrace, Hardware	1	1
	A,D,F	1086801	Crossbrace, Upgrade Kit	1	1
	D	1088895	Instruction Sheet, Crossbrace Upgrade Kit	1	1

NOTE: A - When chairs manufactured before 7/1/99 have a support bracket welded on the crossbrace as illustrated for item 1, this will verify that a crossbrace upgrade kit has been assembled.
B - Decals not included. See page titled, "Packaging, Literature and Decals."
C - Includes items 2 through 6.
D - Not Shown.
E - Less items 1 and 7. Includes items 2-6 and 8-28.
F - Includes items 1, 7, 30 and instruction sheet.
G - Includes items 24-28.
H - Pair

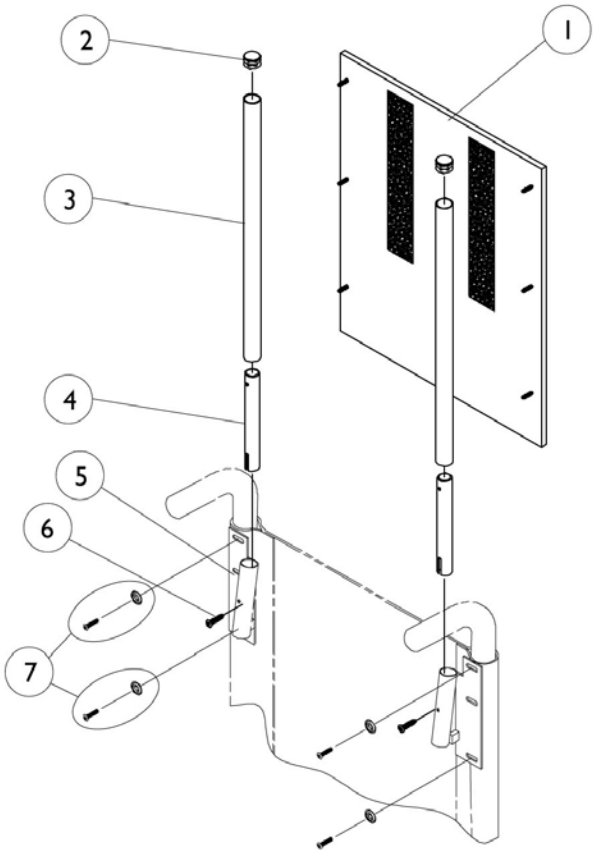
Back Canes and Attaching Hardware



Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1028372	Back Cane Assembly - 10 Degree Bend	1	2
2		1006229	Grip, Foam (8")	1	2
3		1071565-NLA	Tube, Rear Upright, Black	1	2
4		1026907	Washer (1/4 x 1/2 x 1/16")	1	4
5		1057955	Screw, Hex Head (1/4-20 x 1-1/4")	1	4
6		1071488-NLA	Insert, Threaded	1	2
7		1055348	Screw, Hex Head (1/4-28 x 1-3/4")	1	4
8		1026900	Washer (1/4 x 23/32 x 1/16")	1	8
9		7930345	Locknut (1/4-28)	25	1
10		7930323	Package, Locknut (1/4-20)	25	1
11	A	1071564-NLA	Hardware, Back Cane Attaching (Pair)	2	1

NOTE: A - Includes items 3-10.

Headrest and Attaching Hardware
Sling Seat Only



#1 Headrest Upholstery

Width	Nylon	Vinyl
16" Wide	8881052588	8881054638 See Note(s) A
18" Wide	8881052590	8881054637 See Note(s) A
20" Wide	8881052592	8881054639 See Note(s) A

NOTE: A - Specify upholstery color when ordering. See category titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."

Headrest and Attaching Hardware
Sling Seat Only

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		See Chart	#I Headrest Upholstery	1	1
2		1027095	Plug Button, Black (7/8")	1	2
3		1054605	Tube, Headrest Extension	1	2
4		1028756	Tube, Insert	1	2
5		1028752	Bracket, Headrest, Right	1	2
5		1028753	Bracket, Headrest, Left	1	2
6		1028484	Screw, Phillips Pan Head Tap (#10-32 x 1/2")	1	2
7		1031095	Screws with Washers (#10-16 x 7/8")	1	4
7		1076284	Screw w/ washer (#10 x 7/8")	4	1

Back/ Seat Upholstery, Carrying Pocket and Seat/ Chest Positioning Straps

Seat Upholstery, Nylon

Width	16" Deep	17" Deep	18" Deep
16" Wide	1016321	1016322	1016323
18" Wide	1016327	1016328	1016329
20" Wide	1017643	1017646	1017649

Seat Upholstery, Vinyl

Width	16" Deep	17" Deep	18" Deep
16" Wide	8881024423 See Note(s) A	8881024424 See Note(s) A	8881024134 See Note(s) A
18" Wide	8881024132 See Note(s) A	8881024137 See Note(s) A	8881024138 See Note(s) A
20" Wide	8881024129 See Note(s) A	8881024141 See Note(s) A	8881024142 See Note(s) A

NOTE: A - Specify upholstery color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."

Back Upholstery

Width	Nylon	Vinyl
16" Wide	1060612	8881058353 See Note(s) A
18" Wide	1060613	8881058354 See Note(s) A
20" Wide	1060614	8881058355 See Note(s) A

NOTE: A - Specify upholstery color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."

Back/ Seat Upholstery, Carrying Pocket and Seat/ Chest Positioning Straps

Carrying Pocket

Width	Nylon	Vinyl
16 - 20" Wide	8881047959	8881047957 See Note(s) A

NOTE: A - Specify upholstery color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."

Attaching Hardware

Back Upholstery Hardware	Seat Upholstery Hardware
1026298	1027057
Package Consists Of: 2 ea. Screw with Washer (10 x 7/8") 2 ea. Cable Ties	Package Consists Of: 8 ea. Screw with Washer (10 x 7/8")

Back/ Seat Upholstery, Carrying Pocket and Seat/ Chest Positioning Straps

Seat/Chest Positioning Straps

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
	A	1034625.	0	1	1
	B	1034752	Positioning Strap, Seat/Chest w/ Airline Style Buckle (Eyelet to Eyelet Length 61")	1	1
	C	1034753	Positioning Strap, Seat/Chest w/Airline Style Buckle (Eyelet to Eyelet Length 70")	1	1
	A	1004310	Positioning Strap, Seat/Chest w/ Auto Style Push Button Buckle (Eyelet to Eyelet Length 48")	1	1
	B	1034625	Positioning Strap, Seat/Chest w/ Auto Style Push Button Buckle (Eyelet to Eyelet Length 61")	1	1
	C	1034622	Positioning Strap, Seat/Chest w/ Auto Style Push Button Buckle (Eyelet to Eyelet Length 69")	1	1
	A	1034744	Positioning Strap, Seat/Chest w/ Hook and Loop Style Buckle (Eyelet to Eyelet Length 45")	1	1
	B	1034745	Positioning Strap, Seat/Chest w/ Hook and Loop Style Buckle (Eyelet to Eyelet Length 61")	1	1
	D	See Chart	Back Upholstery	1	1
	D	See Chart	Seat Upholstery-Nylon	1	1
	D	See Chart	Seat Upholstery-Vinyl	1	1
	D	See Chart	Carrying Pocket	1	1
	D	See Chart	Attaching Hardware	1	1

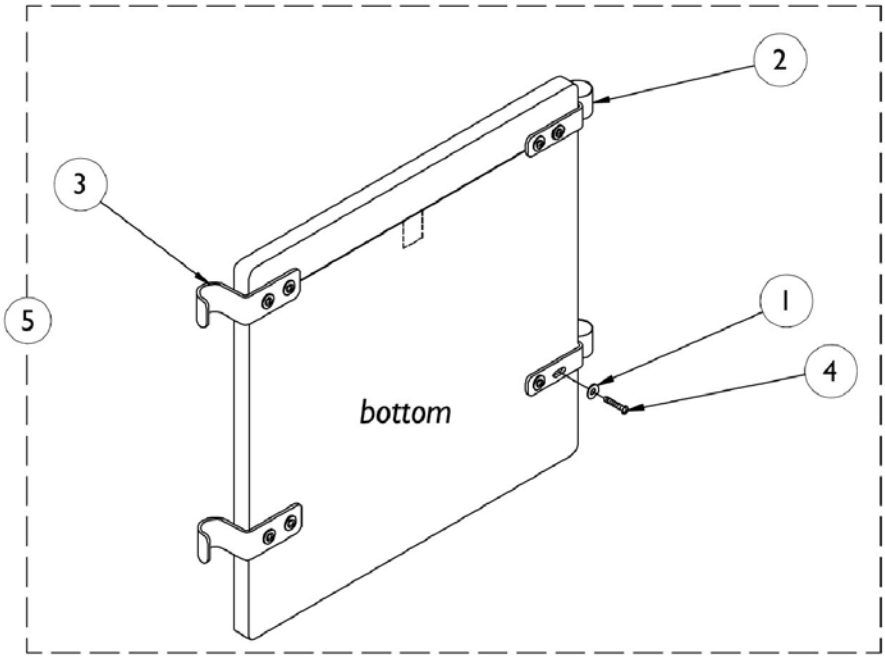
NOTE: A - 16-18" Wide Chairs.
B - 20" Wide Chairs and all Captain Seats.
C - 22" Wide Chairs.
D - Not Shown

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
	A	See Chart	Seat Upholstery-Nylon	1	1
	A	See Chart	Seat Upholstery-Vinyl	1	1
	A	See Chart	Back Upholstery	1	1
	A	See Chart	Attaching Hardware	1	1
	A	See Chart	Carrying Pocket	1	1

NOTE: A - Not Shown

Solid Folding Seats and Inserts

NOTE: Solid Folding Seats measure two inches narrower than actual seat width.



Solid Folding Seats

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1013218	Washer (#10 Flat)	1	8
2		1016770	Bracket, Seat	1	2
3		1016771	Hook, Seat	1	2
4		7930360	Screw, Phillips Pan Head (#10-32 x 11/16")	25	1
5	A	8881110378	Solid Folding Seat w/Hdwr (16" W x 16" D) - Vinyl	1	1
5	A	8881110379	Solid Folding Seat w/Hdwr (18" W x 16" D) - Vinyl	1	1
5	A	8881110372	Solid Folding Seat w/Hdwr (20" W x 16" D) - Nylon	1	1
5	A	8881035936	Solid Folding Seat w/ Hardware (20" W x 18" D), Nylon	1	1
	B	See Chart	Solid Seat Inserts	1	1

NOTE: A - Specify upholstery color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."
B - Not Shown

Solid Seat Inserts

Chair Width x Depth	Upholstery Type - Nylon	Upholstery Type - Vinyl
16" x 16"	8881052563 See Note(s) A	8881034648 See Note(s) A
16" x 17"	8881052564 See Note(s) A	8881034657 See Note(s) A

Solid Folding Seats and Inserts

NOTE: Solid Folding Seats measure two inches narrower than actual seat width.

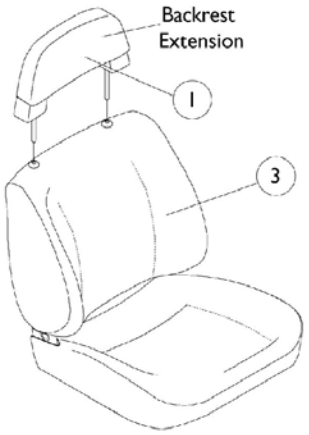
Solid Seat Inserts

Chair Width x Depth	Upholstery Type - Nylon	Upholstery Type - Vinyl
16" x 18"	8881052565 See Note(s) A	8881034666 See Note(s) A
18" x 16"	8881052569 See Note(s) A	8881034650 See Note(s) A
18" x 17"	8881052570 See Note(s) A	8881034659 See Note(s) A
18" x 18"	8881052571 See Note(s) A	8881034668 See Note(s) A
20" x 16"	8881052575 See Note(s) A	8881034652 See Note(s) A
20" x 17"	8881052576 See Note(s) A	8881034661 See Note(s) A
20" x 18"	8881052577 See Note(s) A	8881034670 See Note(s) A

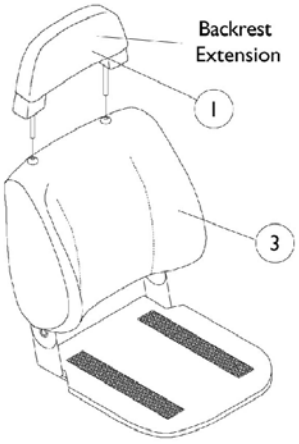
NOTE: A - Specify upholstery color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."

Captain Seat Assembly - Before 9/1/02

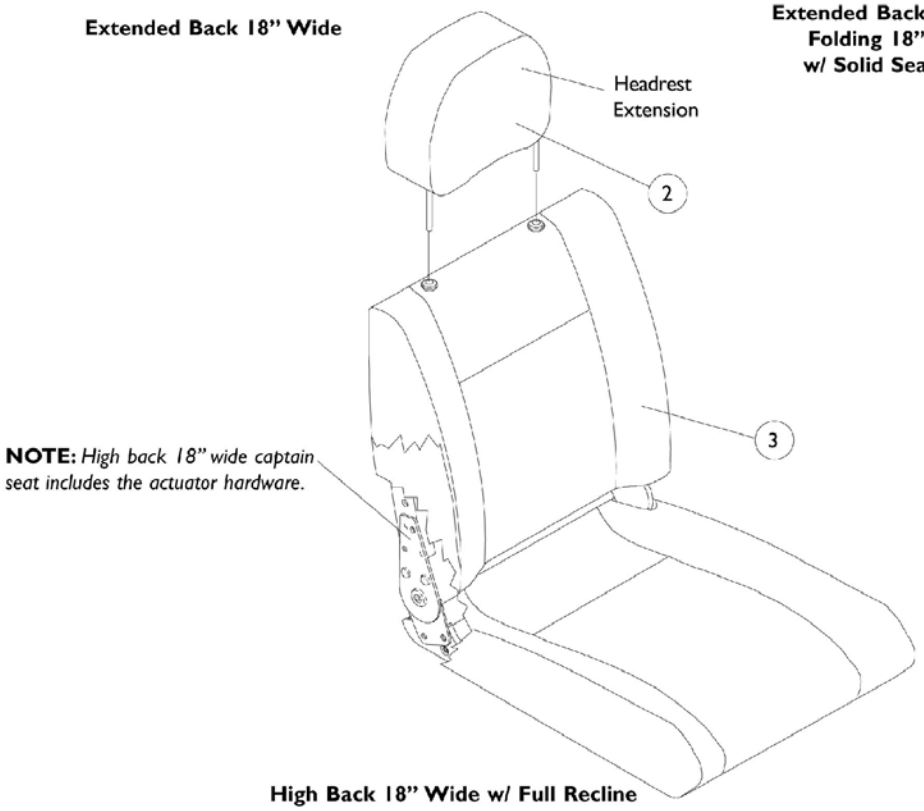
NOTE: Low Back (L.B.) Captain Seat description changed to Extended Back (E.B.) Captain Seat as of 10/02/00. Captain Seats incorporate an assisted recline of approximately 80 - 114 degrees for extended backs and 90 - 170 degrees for high back 18" wide models.



Extended Back 18" Wide



Extended Back, Forward Folding 18" Wide w/ Solid Seat Base



High Back 18" Wide w/ Full Recline

Captain Seat Assembly - Before 9/1/02

NOTE: Low Back (L.B.) Captain Seat description changed to Extended Back (E.B.) Captain Seat as of 10/02/00. Captain Seats incorporate an assisted recline of approximately 80 - 114 degrees for extended backs and 90 - 170 degrees for high back 18" wide models.

Item #1 - Extended Back Backrest

Extended Back Backrest (E.B.)	Grey Fabric/Vinyl	All Grey Vinyl	Brunswick Buff All Tan Vinyl
E.B. Before 3/25/98	1071578 See Note(s) A	N/A	N/A
E.B. 3/25/98 - 8/3/99 and Forward Folding Before 5/12/00	1078997-NLA See Note(s) B	N/A	N/A
E.B. After 8/3/99 and Forward Folding After 5/11/00	1090374-NLA See Note(s) C	N/A	N/A
E.B. Before 7/22/99	N/A	1081285 See Note(s) B	1086109 See Note(s) B
E.B. After 7/21/99	N/A	1090375-NLA See Note(s) C	1090376-NLA See Note(s) C

NOTE: A - 9-29/64" Backrest Post Spacing.
B - 9" Backrest Post Spacing.
C - 4-3/4" Backrest/Headrest Post Spacing.

Item #2 - High Back Headrest

Headrest	Grey Fabric/Vinyl	All Grey Vinyl	Brunswick Buff All Tan Vinyl
Headrest, High Back Before 8/16/99	1071576-NLA See Note(s) D	N/A	N/A
Headrest, High Back After 8/15/99	1090379-NLA See Note(s) C	N/A	N/A
Headrest, High Back	N/A	1090380-NLA See Note(s) C	N/A

NOTE: C - 4-3/4" Backrest/Headrest Post Spacing.
D - 4-23/32" Headrest Post Spacing.

Captain Seat Assembly - Before 9/1/02

NOTE: Low Back (L.B.) Captain Seat description changed to Extended Back (E.B.) Captain Seat as of 10/02/00. Captain Seats incorporate an assisted recline of approximately 80 - 114 degrees for extended backs and 90 - 170 degrees for high back 18" wide models.

Item #3 - 18" Wide Extended Back Captain Seat

Captain Seat - Extended Back	Grey Fabric/Vinyl	All Grey Vinyl	Brunswick Buff All Tan Vinyl
Before 8/4/99 w/Mounting Screws	1091123-NLA See Note(s) E, F	N/A	N/A
After 8/3/99	1090371-NLA See Note(s) F, G	N/A	N/A
Before 7/22/99	N/A	1081284-NLA See Note(s) F	1086108-NLA See Note(s) F
After 7/21/99	N/A	1090372-NLA See Note(s) F, G	1090373-NLA See Note(s) F, G
and Forward Folding Before 5/12/00	1085104-NLA See Note(s) F	N/A	N/A
and Forward Folding After 5/11/00	1090370-NLA See Note(s) F, G	N/A	N/A

NOTE: E - After 8/3/99 #1079236 extended back captain seat with mounting screws was replaced by #1091123 due to change in the backrest post spacing. New bracket head rest #1090374 must be ordered as well to match.
F - For Captain Seats marked NLA, use Captain Seats dated after 8/31/02 as replacements.
G - Backrest/Headrest post spacing changed. When replacing seat assemblies made before the date specified, a new style backrest or headrest must be ordered as well to match.

NOTE: When converting between high back and extended back captain seats, the wiring harness will also need to be converted. See page titled "Battery Charger and Harnesses".

Item #3 - 18" Wide High Back Captain Seat

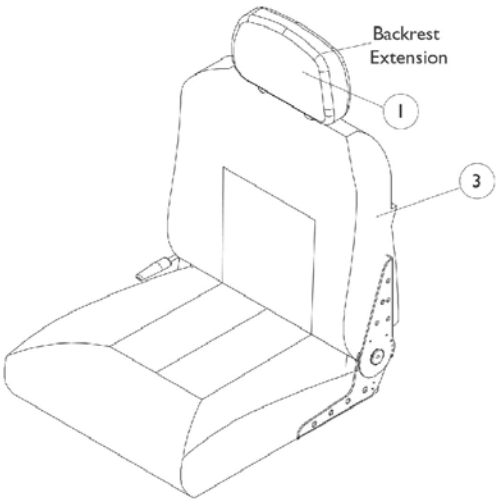
Captain Seat - High Back	Grey Fabric/Vinyl	All Grey Vinyl	Brunswick Buff All Tan Vinyl
18" Wide High Back Before 8/16/99	1070456-NLA See Note(s) H, F	N/A	N/A
18" Wide High Back After 8/15/99	1091068-NLA See Note(s) G, F, H	N/A	N/A
18" Wide High Back	N/A	1091069-NLA See Note(s) F	N/A

NOTE: F - For Captain Seats marked NLA, use Captain Seats dated after 8/31/02 as replacements.
G - Backrest/Headrest post spacing changed. When replacing seat assemblies made before the date specified, a new style backrest or headrest must be ordered as well to match.
H - High back 18" wide captain seats includes all actuator attaching hardware (LESS) the limit switch sensor harness #1074983. See page titled "Captain Seat Frame and Actuator Hardware".

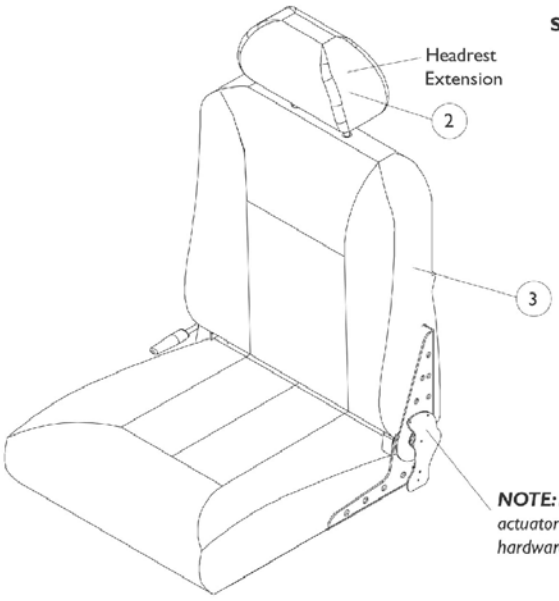
NOTE: When converting between high back and extended back captain seats, the wiring harness will also need to be converted. See page titled "Battery Charger and Harnesses".

Captain Seat Assembly - After 8/31/02

NOTE: Captain Seats recline approximately 90 - 114 degrees for semi recline backs and 90 - 170 degrees for full recline back models. Adjustable depths are (16, 17, 18" deep for 18" wide seats). Recline release levers are standard on the right side. Semi recline left side release levers can be ordered as a special with a new captain seat. All full recline captain seats must be ordered as a "special order" to have the limit switch sensor actuator hardware mounted on the right side.



Semi Recline Captain Seat



***NOTE:** Full recline captain seats **do not include** the actuator hardware. See seat frame and actuator hardware page.*

Full Recline Captain Seat

Captain Seat Assembly - After 8/31/02

NOTE: Captain Seats recline approximately 90 - 114 degrees for semi recline backs and 90 - 170 degrees for full recline back models. Adjustable depths are (16, 17, 18" deep for 18" wide seats). Recline release levers are standard on the right side. Semi recline left side release levers can be ordered as a special with a new captain seat. All full recline captain seats must be ordered as a "special order" to have the limit switch sensor actuator hardware mounted on the right side.

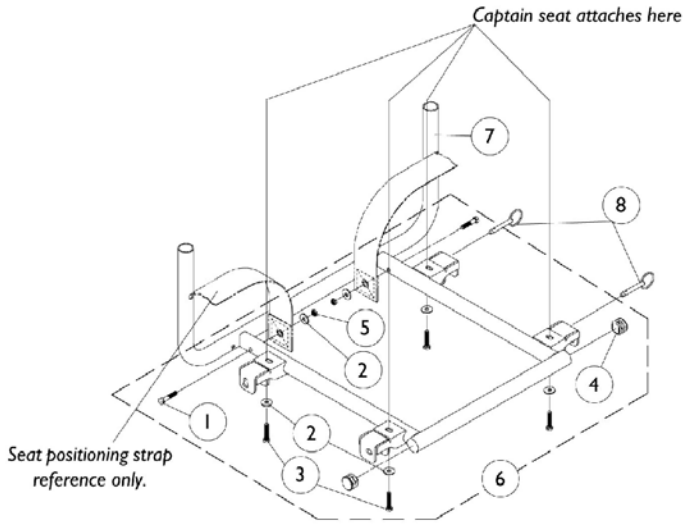
Backrest/Headrest Extensions and Captain Seat Assemblies

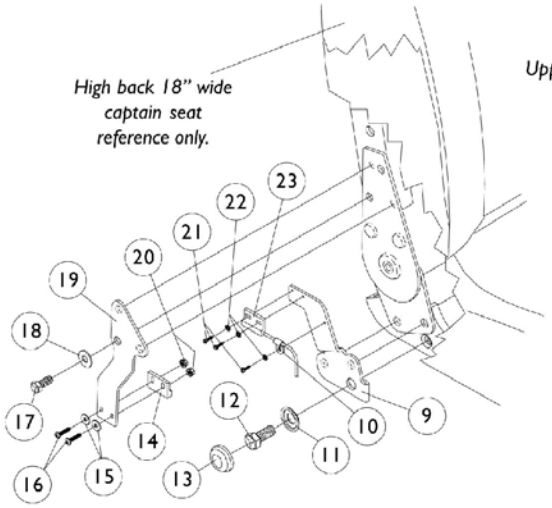
Item Number	Description	All Grey Fabric	All Grey Vinyl	All Tan Vinyl
1	Backrest - For Semi Recline	1106969	1108408	1106968
2	Headrest - For Full Recline	1106967	1108409	1106966
3	18" Wide - Semi Recline with Backrest	1109254	1109242	1109248
3	18" Wide - Full Recline with Backrest	1109257	1109245	1109251

NOTE: When converting from a semi recline to a full recline captin seat, a limit switch sensor harness part # 1074983 must be ordered as well. See page titled "Captain Seat Frame and Actuator Hardware.
NOTE: Actuator mounting hardware is not included with captain seat, see page titled, "Captain Seat Frame and Actuator Hardware."
NOTE: New seat mounting screws #1025713 in (4) are required when converting a captain seat available before 9/1/02 to a captain seat available after 8/31/02.

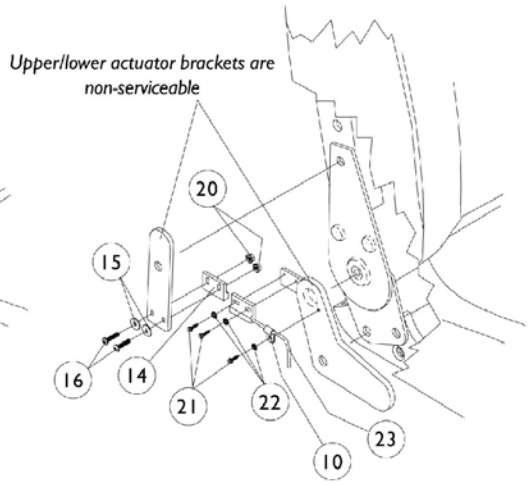
Captain Seat Frame and Actuator Hardware - Before 9/1/02

NOTE: Low Back (L.B.) Captain Seat description changed to Extended Back (E.B.) Captain Seat as of 10/02/00.





Actuator Attaching Hardware
Before 8/16/99
(High Back 18" Wide Models Only)



Actuator Attaching Hardware
After 8/15/99
(High Back 18" Wide Models Only)

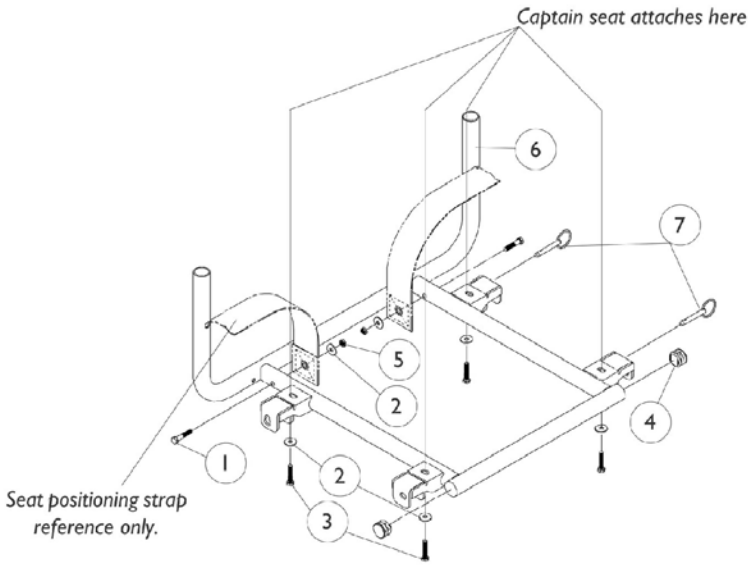
Captain Seat Frame and Actuator Hardware - Before 9/1/02

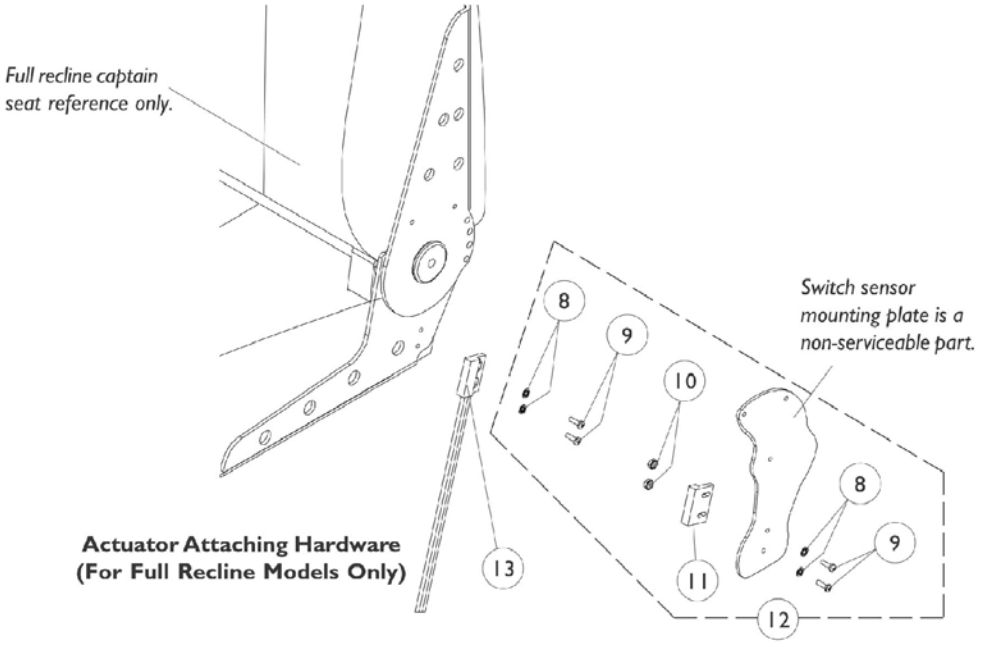
NOTE: Low Back (L.B.) Captain Seat description changed to Extended Back (E.B.) Captain Seat as of 10/02/00.

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1037610	Screw, Hex Head (1/4-20 x 1-5/8")	1	2
2		1026900	Washer (1/4 x 23/32 x 1/16")	1	6
3	C	1071603	Screw, Hex Head (M6 x 1" x 20MM)	1	4
3	A,D	1045267	Screw, Hex Head (1/4-20 x 3/4")	1	4
4		1029501	Plug Button, Black (1")	1	2
5		7930333	Locknut (1/4-20)	25	1
6	C,E	1074115	Seat Mounting Hardware, Extended Backs, 18" Wide	1	1
6	A,D	1079207	Seat Mounting Hardware, Extended Backs and Forward Folding Seat, 18" Wide	1	1
7		1070751	Frame, Seat	1	1
8		1071602	Pin, Anchor (Captain Seat)	1	4
9		1076392	Bracket, Lower Limit Switch Sensor	1	1
10		1098624-NLA	Clamp, Cable	1	1
11		1016289	Washer, Caplugs (15/32" I.D. x 1-3/32" O.D.)	1	1
12		1076568	Screw, Hex Head (7/16-20 x 1")	1	1
13		1016291	Hub Cap, Black	1	1
14		1024001	Sensor, Actuator Switch	1	1
15		16348X007	Rivet Washer (1/8 x 3/8 x 1/16")	1	2
16		1074128	Screw, Phillips Pan Head (#4-40 x 7/16")	1	2
17		7930322	Screw, Hex Head (M8 x 1-1/4" x 20MM)	25	1
18		7930358	Washer, Steel (5/16 x 3/4 x 1/16")	25	1
19		1076394	Bracket, Upper Limit Sensor Switch	1	1
20		P0870X000	Nut, Hex Keps (#4-40)	1	2
21		1025116	Screw, Slotted Hex Head (#4-3/8")	1	3
22		1008525	Washer, Internal Tooth Lock (#4-40)	1	3
23	B	1074983	Cable, Limit Switch Sensor	1	1

NOTE:
A - All vinyl extended back seats will use hardware noted for extended back models after 3/24/98.
B - Item number 23 is not included with a high back seat assembly.
C - Extended backs before 3/25/98 and All High Backs 18" Wide.
D - Extended backs after 3/24/98 and Forward Folding Seat 18" Wide.
E - Includes items 1-5.

Captain Seat Frame and Actuator Hardware - After 8/31/02





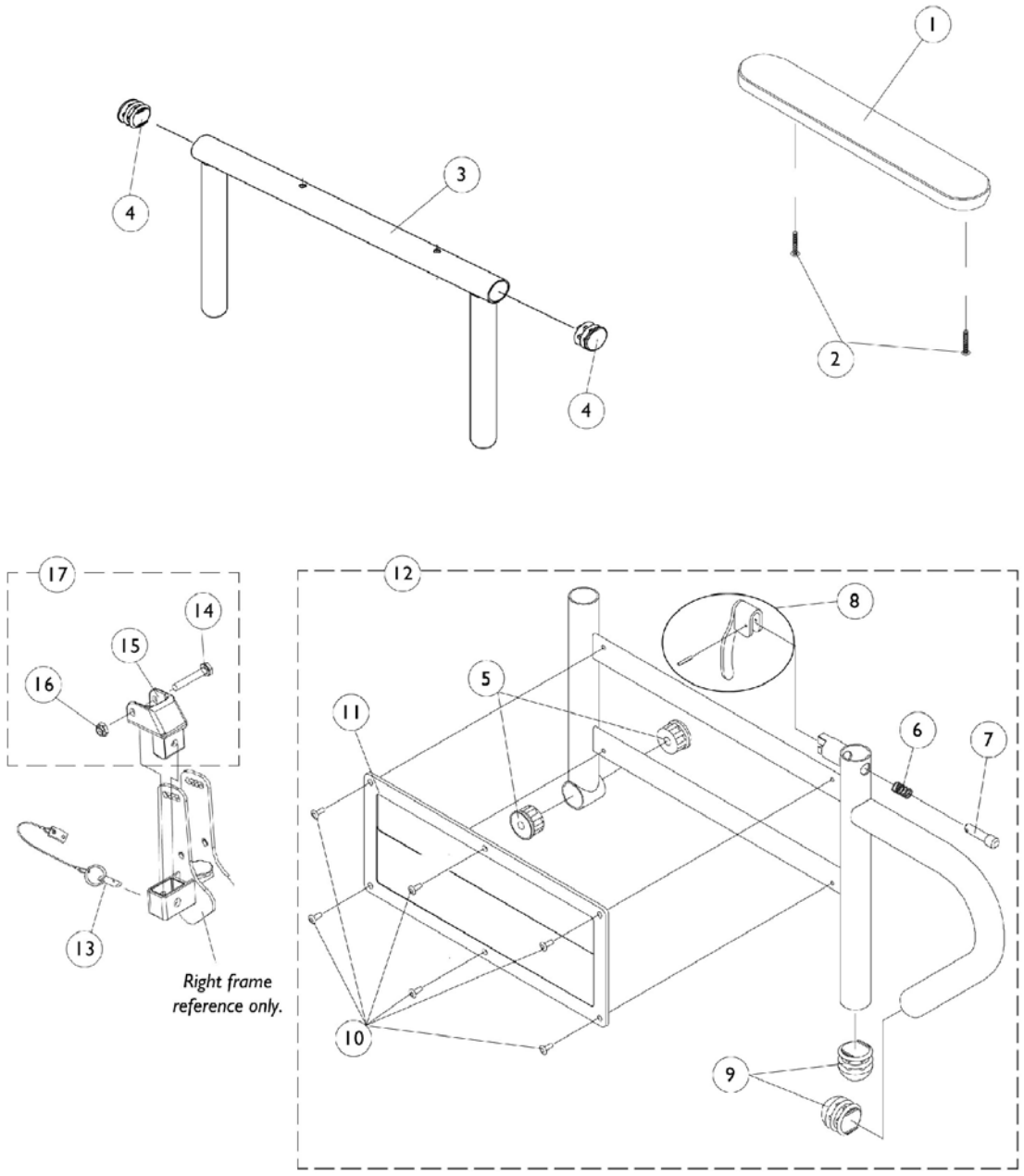
Actuator Attaching Hardware
(For Full Recline Models Only)

Captain Seat Frame and Actuator Hardware - After 8/31/02

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1037610	Screw, Hex Head (1/4-20 x 1-5/8")	1	2
2		1026900	Washer (1/4 x 23/32 x 1/16")	1	6
3		1025713	Screw, Hex Head (1/4-20 x 1")	1	4
4		1029501	Plug Button, Black (1")	1	2
5		7930333	Locknut (1/4-20)	25	1
6		1070751	Frame, Seat	1	1
7		1071602	Pin, Anchor (Captain Seat)	1	4
8		1008525	Washer, Internal Tooth Lock (#4-40)	1	4
9		7930339	Screw, Phillips Pan Head (#4-40 x 3/8")	25	4
10		P0870X000	Nut, Hex Keps (#4-40)	1	2
11		1024001	Sensor, Actuator Switch	1	1
12	A,B	1107242	Hardware, Actuator Switch Sensor Mounting	1	1
13	B	1074983	Cable, Limit Switch Sensor	1	1

NOTE: A - Includes items 8-11.
B - Item 12 and 13 is not included with a full recline captain seat assembly.

Arms, Adjustable Height Removable
Sling Seat Only

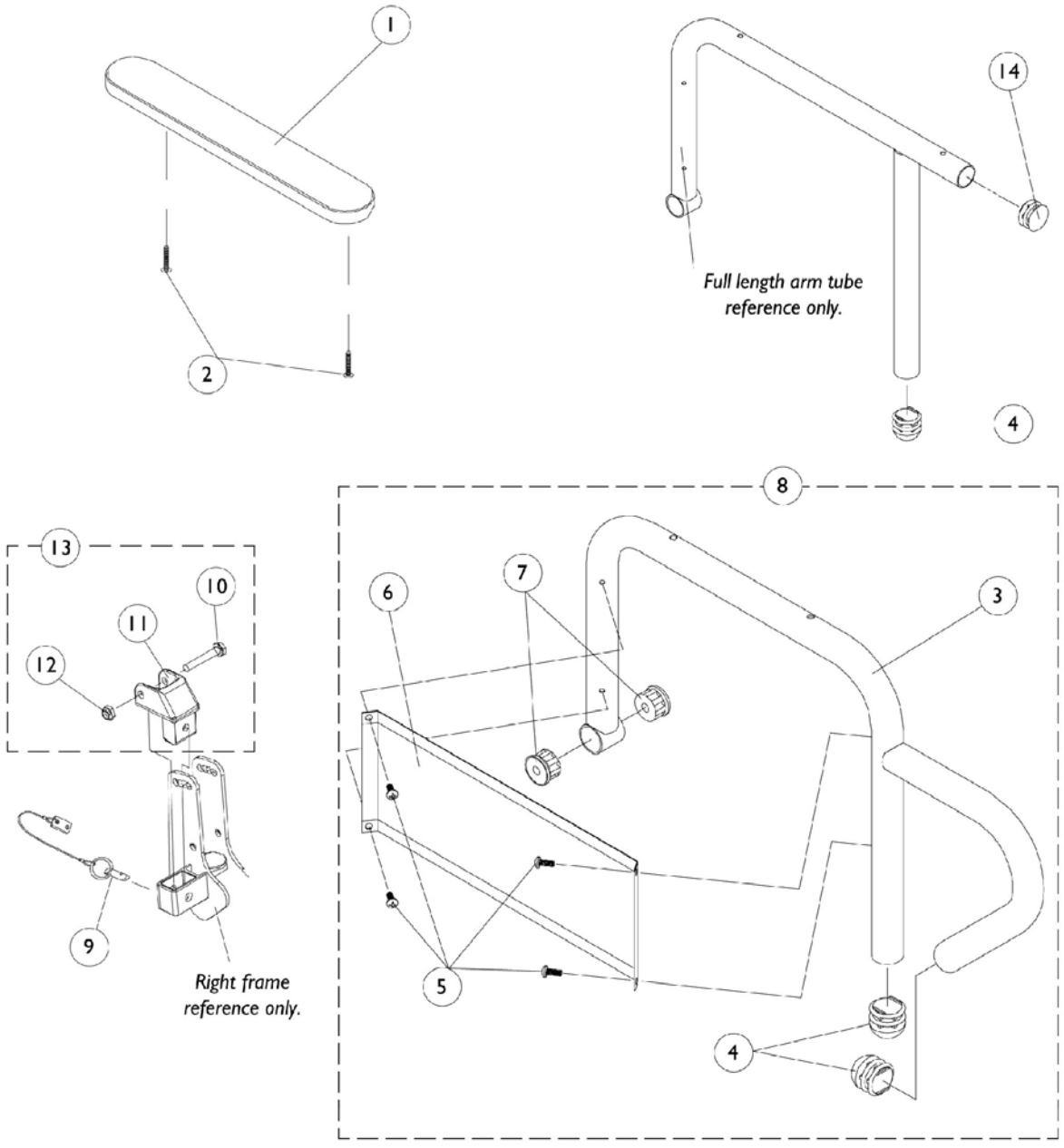


Arms, Adjustable Height Removable
Sling Seat Only

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	8881015932	Arm Pad, Vinyl, Full Length (14" L x 2" W) - Right	1	1
1	A	8881015933	Arm Pad, Vinyl, Full Length (14" L x 2" W) - Left	1	1
1	C,F	1117328	Arm Pad, Full Length, Urethane Waterfall with Screws, Black (13" L x 2-5/8" W)	1	1
1		1110818	Arm Pads, Full Length, Urethane Waterfall with Screws, Black (13" L x 2-5/8" W) (Pair)	2	1
1	A	8881011811	Arm Pad, Vinyl, Desk Length (9" L x 2" W)	1	1
1	C,F	1117327	Arm Pad, Desk Length, Urethane Waterfall with Screws, Black (9" L x 2-5/8" W)	1	1
1		1110817	Arm Pads, Desk Length, Urethane Waterfall with Screws, Black (9" L x 2-5/8" W) (Pair)	2	1
2		1055949	Screws, Phillips Pan Head (#10-32 x 1-1/8")	2	1
2	D	1094270	Screw, Phillips Pan Head (#10-32 x 1-1/4") (Pair)	2	1
3		1071253	Arm Top, Adjustable Height with Plug Buttons - Full Length (Black)	1	1
3		1070859	Arm Tube, Upper with Plug Buttons (Black) - Desk Length	1	1
4		1027095	Plug Button, Black (7/8")	1	2
5		1065936	Plug, Pivot	1	2
6		47471X074	Spring, Arm Lock	1	1
7		1028594	Pin, Arm Lock	1	1
8		1090768	Kit, Lock Handle w/Rivets (both LT & RT side)	2	1
9		1067734	Plug Button, Black (5/8")	1	2
10		1028645	Rivet	1	6
11		1064130	Clothing Guard	1	1
12	B	8881071554	Arm Base, Adjustable Height - Right	1	1
12	B	8881071555	Arm Base, Adjustable Height - Left	1	1
13		1068039	Pin, Pull	1	1
14		1019590	Screw, Socket Button Head (1/4-20 x 1-5/8")	1	1
15		1068025	Clevis, Pivot	1	1
16		7930323	Package, Locknut (1/4-20)	25	1
17	E	1090277	Hardware, Mounting, Swingaway Armrest	1	1

NOTE:
A - Specify upholstery color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery."
B - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery."
C - As of 1/3/02, upholstered waterfall armpads were replaced with black urethane waterfall armpads. Order in pairs with screws for chairs manufactured before 1/3/02.
D - For Black Urethane Waterfall Armpads only.
E - Includes items 14-16.
F - After 7/9/07 Invacare recommends ordering armpads in pairs to assure uniform appearance on chair

Arms, Fixed Height Removable
Sling Seat Only

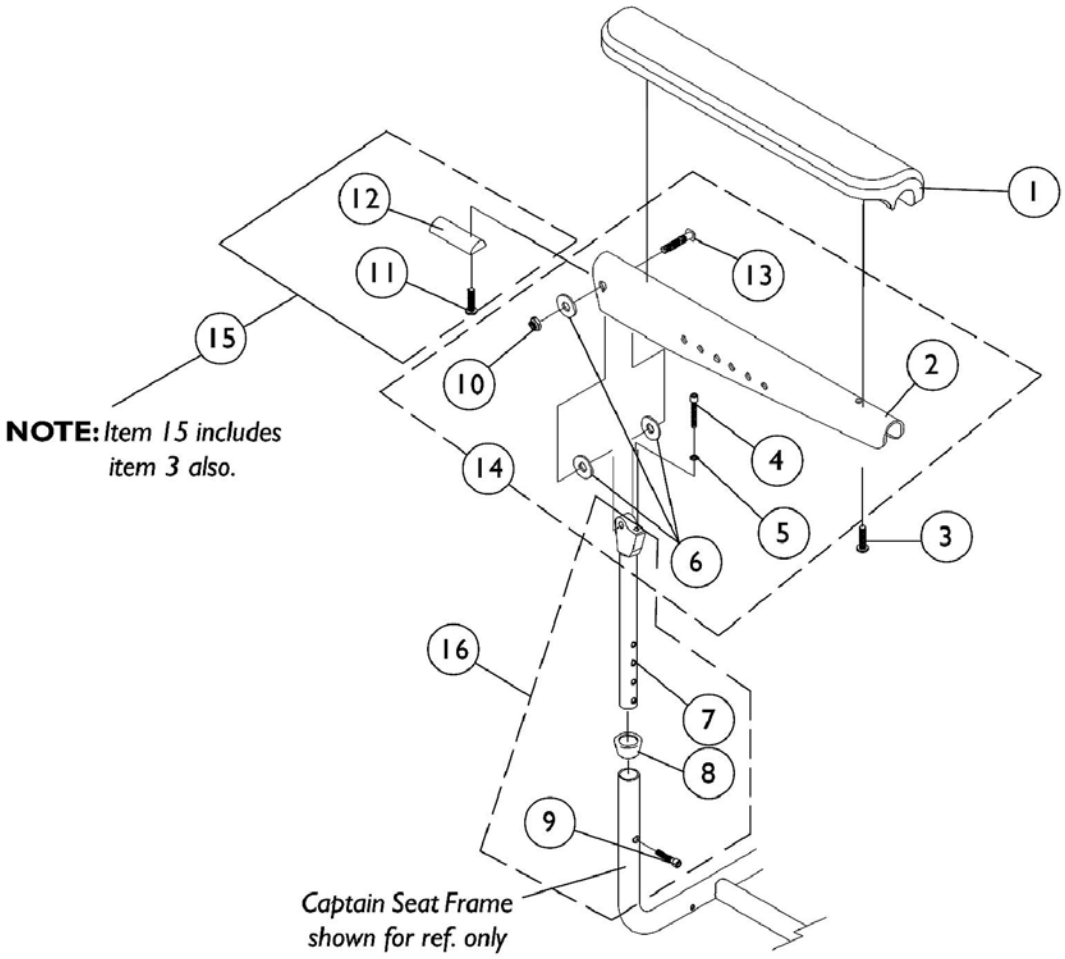


Arms, Fixed Height Removable
Sling Seat Only

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	8881015932	Arm Pad, Vinyl, Full Length (14" L x 2" W) - Right	1	1
1	A	8881015933	Arm Pad, Vinyl, Full Length (14" L x 2" W) - Left	1	1
1	C,F	1117328	Arm Pad, Full Length, Urethane Waterfall with Screws, Black (13" L x 2-5/8" W)	1	1
1		1110818	Arm Pads, Full Length, Urethane Waterfall with Screws, Black (13" L x 2-5/8" W) (Pair)	2	1
1	A	8881011811	Arm Pad, Vinyl, Desk Length (9" L x 2" W)	1	1
1	C,F	1117327	Arm Pad, Desk Length, Urethane Waterfall with Screws, Black (9" L x 2-5/8" W)	1	1
1		1110817	Arm Pads, Desk Length, Urethane Waterfall with Screws, Black (9" L x 2-5/8" W) (Pair)	2	1
2		1055949	Screws, Phillips Pan Head (#10-32 x 1-1/8")	2	1
2	D	1094270	Screw, Phillips Pan Head (#10-32 x 1-1/4") (Pair)	2	1
3	B	8881071517	Tube, Arm, Full Length, Right	1	1
3	B	8881071518	Tube, Arm, Full Length, Left	1	1
3	B	8881071519	Tube, Arm, Desk Length, Right	1	1
3	B	8881071520	Tube, Arm, Desk Length, Left	1	1
4		1067734	Plug Button, Black (5/8")	1	2
5		1025729	Screw, Self Tapping Pan Head (#8-32 x 3/8")	1	4
6		1035472	Clothing Guard, Desk Length	1	1
7		1065936	Plug, Pivot	1	2
8	B	8881071550	Arm Assembly, Full Length, Right	1	1
8	B	8881071551	Arm Assembly, Full Length, Left	1	1
8	B	8881071552	Arm Assembly, Desk Length, Right	1	1
8	B	8881071553	Arm Assembly, Desk Length, Left	1	1
9		1068039	Pin, Pull	1	1
10		1019590	Screw, Socket Button Head (1/4-20 x 1-5/8")	1	1
11		1068025	Clevis, Pivot	1	1
12		7930323	Package, Locknut (1/4-20)	25	1
13	E	1090277	Hardware, Mounting, Swingaway Armrest	1	1
14		1027095	Plug Button, Black (7/8")	1	1

NOTE:
A - Specify upholstery color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."
B - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."
C - As of 1/3/02 upholstered waterfall armpads were replaced with black urethane waterfall armpads. Order in pairs with screws for chairs manufactured before 1/3/02.
D - For Black Urethane Waterfall Arm Pads only.
E - Includes items 10, 11 and 12.
F - After 7/9/07 Invacare recommends ordering armpads in pairs to assure uniform appearance on chair

Captain Seat Arms and Hardware
18" Wide Models

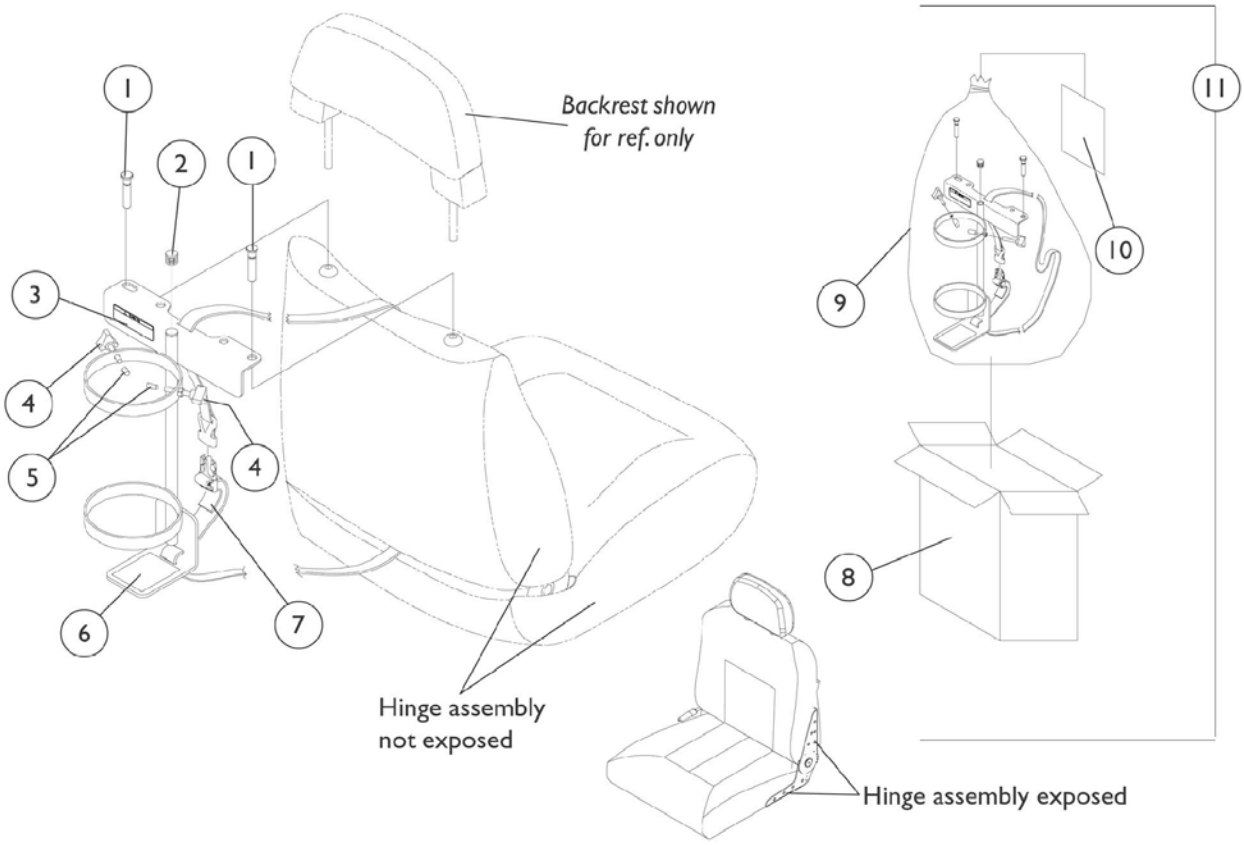


Captain Seat Arms and Hardware
18" Wide Models

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1117328	Arm Pad, Full Length, Urethane Waterfall with Screws, Black (13" L x 2-5/8" W)	1	2
2		1071359	Plate, Armrest (Black)	1	2
3		1028755	Screw, Phillips Pan Head (#10-32 x 5/8")	1	4
4		1009837	Screw, Socket Button Head (1/4-20 x 1")	1	2
5		1025711	Nut, Hex (1/4-20)	1	2
6		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	6
7		1070928	Arm Tube, Upper Height and Width Adjustable (Black)	1	2
8		15680X013	Anti-Rattle (1")	1	2
9		7930304	Screw, Socket Head (1/4-20 x 1-1/4")	25	1
10		1026906	Locknut (5/16-24)	1	2
11		1102546	Screw, Phillips Pan Head (#10-32 x 7/8")	1	2
12		1070106	Insert, Armrest	1	2
13		1031026	Screw w/ Lug (5/16-24 x 1-3/8")	1	2
14	B	1074120	Kit, Armrest Attaching Hardware (Pair)	2	1
15	C	1073378	Kit, Arm Pad Attaching Hardware	2	1
16	D	1070756	Arm Tube Assembly, Upper Adjustable (Pair)	2	1

NOTE: A - As of 1/3/02 upholstered waterfall armpads were replaced with black urethane waterfall armpads. Order in pairs for chairs manufactured before 1/3/02.
B - Includes items 2, 4, 5, 6, 10, and 13.
C - Includes items 3, 11, and 12.
D - Includes 7, 8, and 9.

Oxygen Holder Assembly Kit - Before 4/15/03
Captain Seat, Low Back Models Only



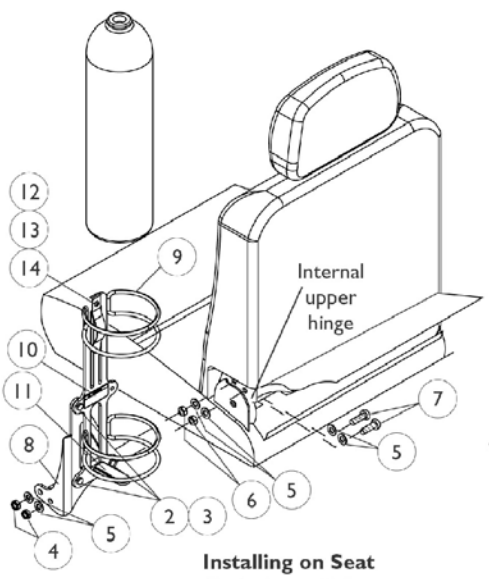
Oxygen Holder Assembly Kit - Before 4/15/03

Captain Seat, Low Back Models Only

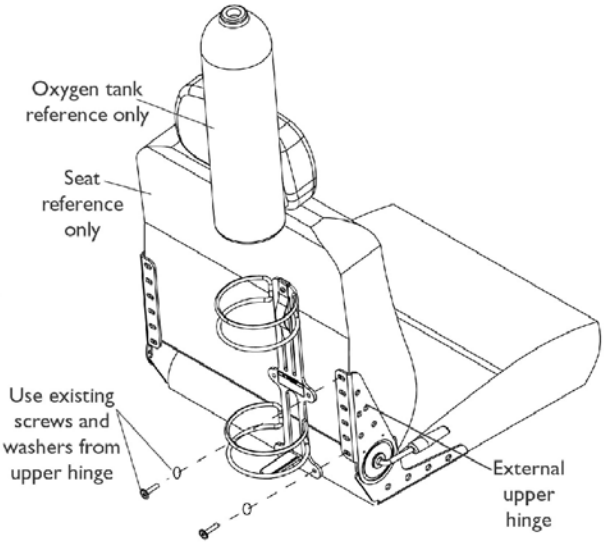
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1080865	Pin, Oxygen Holder	1	2
2		1035614	Plug Button, Black (5/8")	1	1
3		1080866	Decal, Oxygen Warning - English	1	1
4		1027684	Knob, Clamping (Black)	1	2
5		1086780	Package, Protective Caps	10	2
6		1073159	Pad, Non-Skid	1	1
7		1080872	Strap with Buckle	1	1
8		1083052	Carton, Shipper	1	1
9		2000454	Bag, Poly (33" W x 39" L)	1	1
10		1080869	Instruction Sheet, Oxygen Holder	1	1
11	B,C	1080870-NLA	Oxygen Holder Assembly with Instruction Sheet	1	1

NOTE: A - Oxygen holder pins are to be used when backrest is absent.
B - Includes items 1-10.
C - Due to product improvement, see oxygen holder assemblies dated after 4/14/03 that will accommodate both (exposed and non-exposed) captain seat hinge assemblies. Special orders are no longer needed for exposed hinge assembly models.

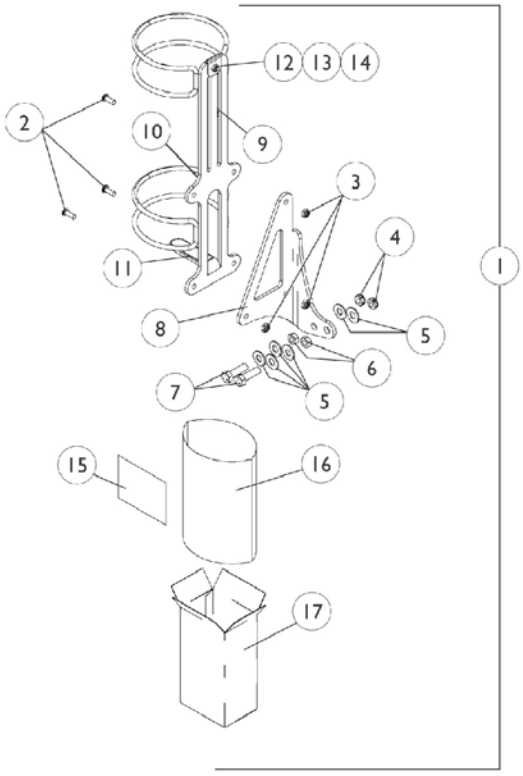
Oxygen Holder Assembly Kit - After 4/14/03
All Captain Seat Models

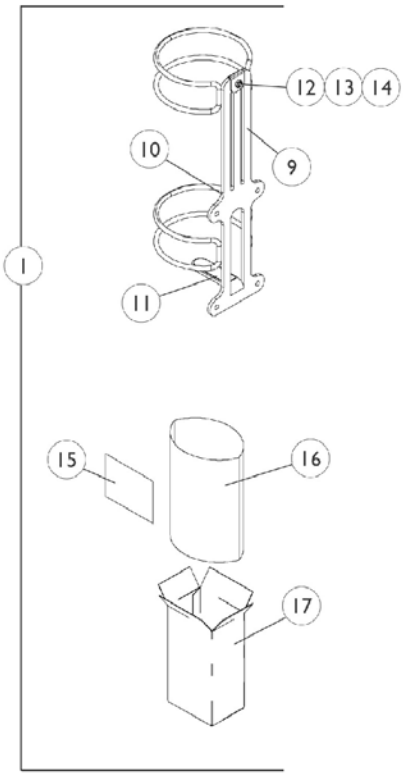


Installing on Seat with Internal Hinge



Installing on Seat with External Hinge





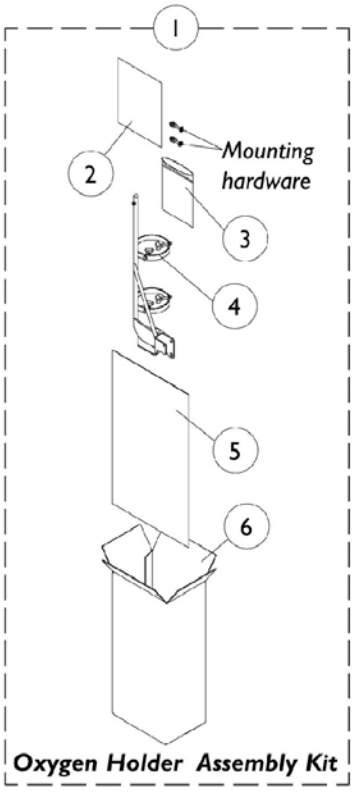
Oxygen Holder Assembly Kit - After 4/14/03

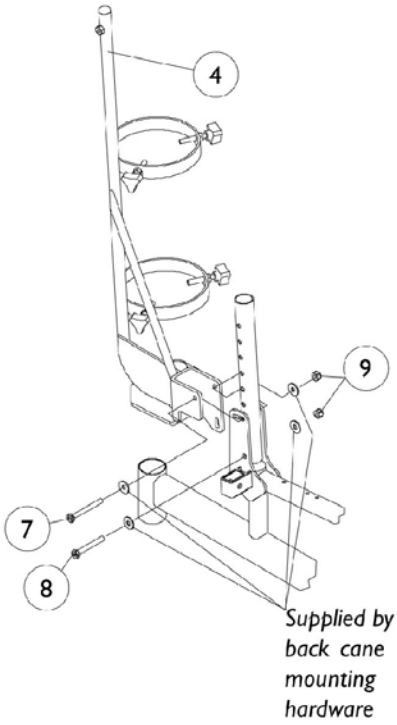
All Captain Seat Models

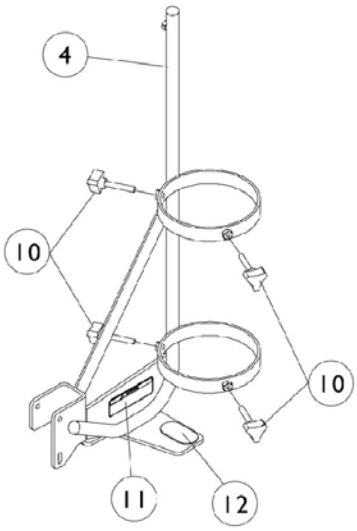
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1116952	Oxygen Holder Assembly Kit	1	1
1	B	1116956	Assembly, Oxygen Holder (D or E Tanks)	1	1
2		1055304	Screw, Socket Button Head (1/4-28 x 5/8")	1	3
3		1025765	Locknut (1/4-28)	1	3
4		1028486	Locknut, Low Profile (3/8-16)	1	2
5		1118889	Washer, Steel (3/8 x 7/8 x 1/16")	1	6
6		1116954	Nut, Hex (3/8-16)	1	2
7		1118888	Screw, Hex Head (3/8-16 x 1-1/4")	1	2
8		1116953	Bracket, Oxygen Holder	1	1
9	C	1116948	Oxygen Holder	1	1
10		1080866	Decal, Oxygen Warning - English	1	1
11		1116950	Pad, Non-Skid	1	1
12		1116945	Spring, Oxygen Holder	1	1
13		1072319	Screw, Socket Button Head (#10-32 x 1/2")	1	1
14		1025735	Locknut (#10-32)	1	1
15		1116957	Instruction Sheet, Oxygen Holder	1	1
16		1021866	Bag, Poly (15" Wide x 26" Long)	1	1
17		1063960	Carton	1	1

NOTE: A - For seats with an INTERNAL (Non-Visible) hinge assembly and includes items 2-17.
B - For seats with an EXTERNAL (Visible) hinge assembly and includes items 9-17.
C - Includes items 10-14.

Oxygen Holder Assembly Kit
Sling Seat





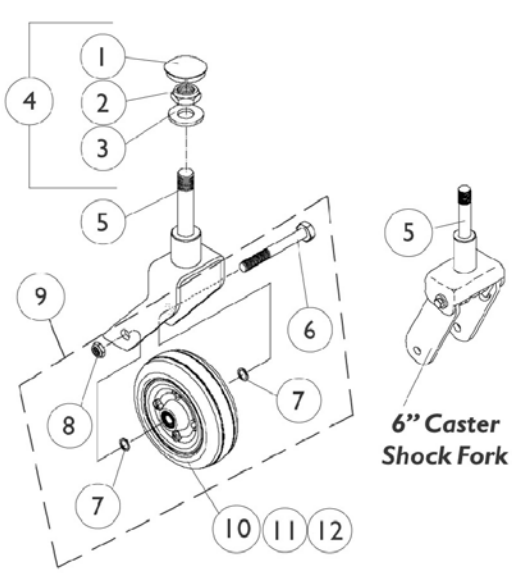


Oxygen Holder Assembly Kit
Sling Seat

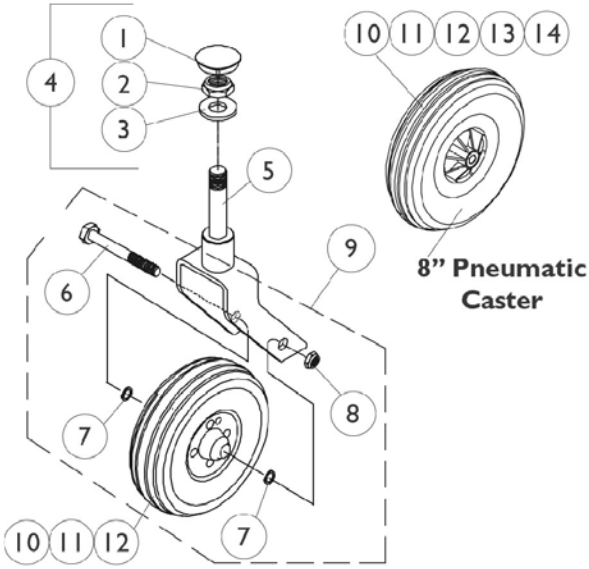
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1098857	Oxygen Holder, Assembly Kit	1	1
2		1098333	Instruction Sheet, Oxygen Holder	1	1
3		1021148	Bag, Poly Zip-Lip (6" Wide x 8-3/4" Long)	1	1
4	B	See Note	See Footnote	1	1
5		1021866	Bag, Poly (15" Wide x 26" Long)	1	1
6		1097276	Carton, Shipper	1	1
7		1096839	Screw, Hex Head (1/4-20 x 2-1/4")	1	1
8		1096838	Screw, Hex Head (1/4-20 x 2")	1	1
9		7930333	Locknut (1/4-20)	25	1
10		1027684	Knob, Clamping (Black)	1	4
11		1080866	Decal, Oxygen Warning - English	1	1
12		1072002	Pad, Non Skid	1	1

NOTE: A - Includes items 2-6 and 7-9.
B - Oxygen Holder - See item 1.

Rear Casters and Hardware



6" Caster



8" Caster

Rear Casters and Hardware

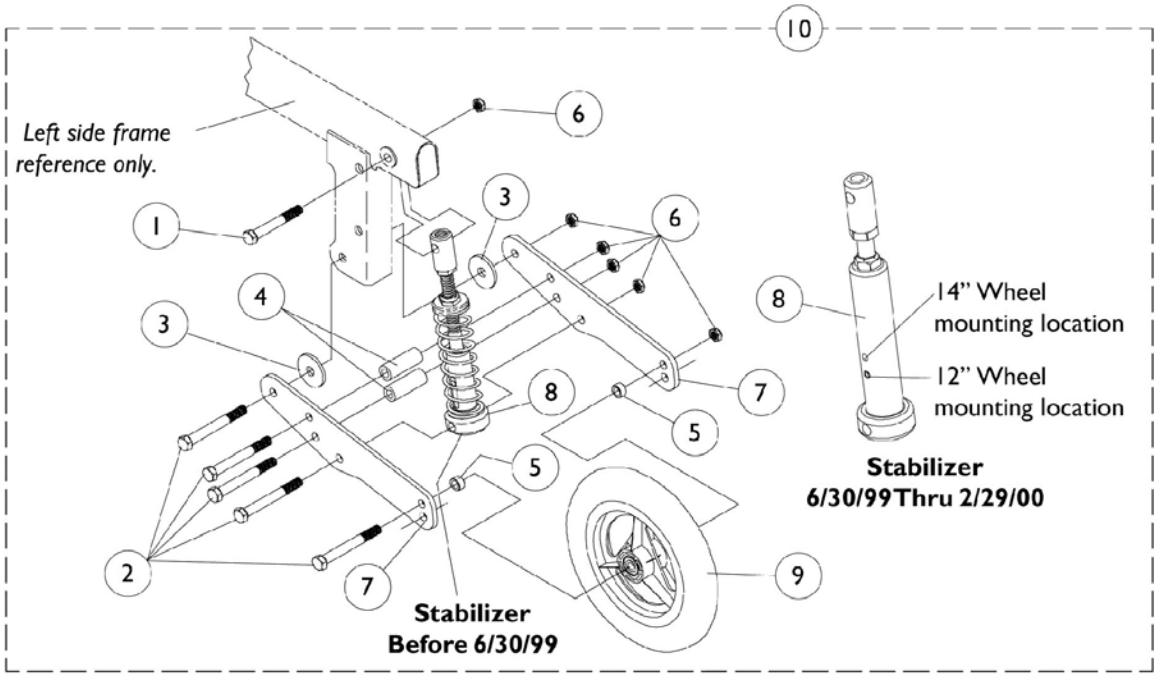
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1056739	Cap, Head Tube	1	1
2		1028550	Locknut (5/8-18)	1	1
3		1041444	Washer (5/8 x 1-5/16 x 1/8")	1	1
4	F	1057949	Fork Stem Hardware	1	1
5	A	8881071460	Fork and Stem - 6" Casters	1	1
5	A	8881071600	Caster Forks, Shock Fork (6")	1	1
5	A,B	8881058562	Caster Forks, Standard Fork (8")	1	1
5	A,C	8881081119	Caster Fork, Standard Fork (8")	1	1
6	G	1025726	Screw, Hex Head (7/16-20 x 3-1/4")	1	1
6	H	1058744	Screw, Hex Head (7/16-20 x 3-1/2")	1	1
7		7930329	Washer, Steel (15/32 x 5/8 x 3/64")	25	1
8		7930331	Locknut (7/16-20")	25	1
9	E,G	1042489	Caster Axle Hardware (1 Pair)	2	1
9	E,H	1058890	Hardware, Caster, Shock Fork (Pair)	2	1
10	I	1072014-NLA	Wheel with Bearings - Semi Pneumatic (6" x 2")	1	1
10	J	1115179	Wheel with Bearings, 6 x 2" Urethane Deep Profile	1	1
10	J	1122066	Wheels with Bearings, 6 x 2" Urethane Deep Profile	2	1
10		1070811	Wheel/Caster, Semi-Pneumatic with Bearings (8 x 1-3/4")	1	1
10		1002002	Wheel with Bearings - Pneumatic (8 x 2")	1	1
11		1006049	Bearing (7/16")	1	2
12		1020592	Spacer, Bearing (7/16 x 5/8 x 1-3/4")	1	1
13		40176X034	Tire, Pneumatic (8" x 2")	1	1
14		1034942	Tube, Pneumatic Inner (8" x 2")	1	1
	D	40176X010	Tire Pump	1	1

NOTE:
A - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."
B - Order caster forks in pairs for chairs manufactured before 7/1/98.
C - This fork must be used with chair serial numbers 98F39748 through 98F39877 only.
D - Not Shown.
E - Includes items 6, 7 and 8.
F - Includes items 1, 2 and 3.
G - Standard Forks 6" & 8".
H - Shock Fork 6".
I - Service part No Longer Available 8/15/03. Due to product improvement, order (pair) part number 1122066 dated after 8/14/03 so each side matches. The deep profile caster has 2 tread grooves w/ round corners instead of 4 tread grooves w/ square corners.
J - Service part after 8/14/03

Front Stabilizer Assembly

Before 3/1/2000

NOTE: "New Style" front stabilizer can be assembled to chairs made before 3/1/2000. See conversion kit before 3/1/2000 on Front Stabilizer with Adjustable Flip-Up Footboard Conversion Kits page.



Front Stabilizer Assembly
Before 3/1/2000

NOTE: "New Style" front stabilizer can be assembled to chairs made before 3/1/2000. See conversion kit before 3/1/2000 on Front Stabilizer with Adjustable Flip-Up Footboard Conversion Kits page.

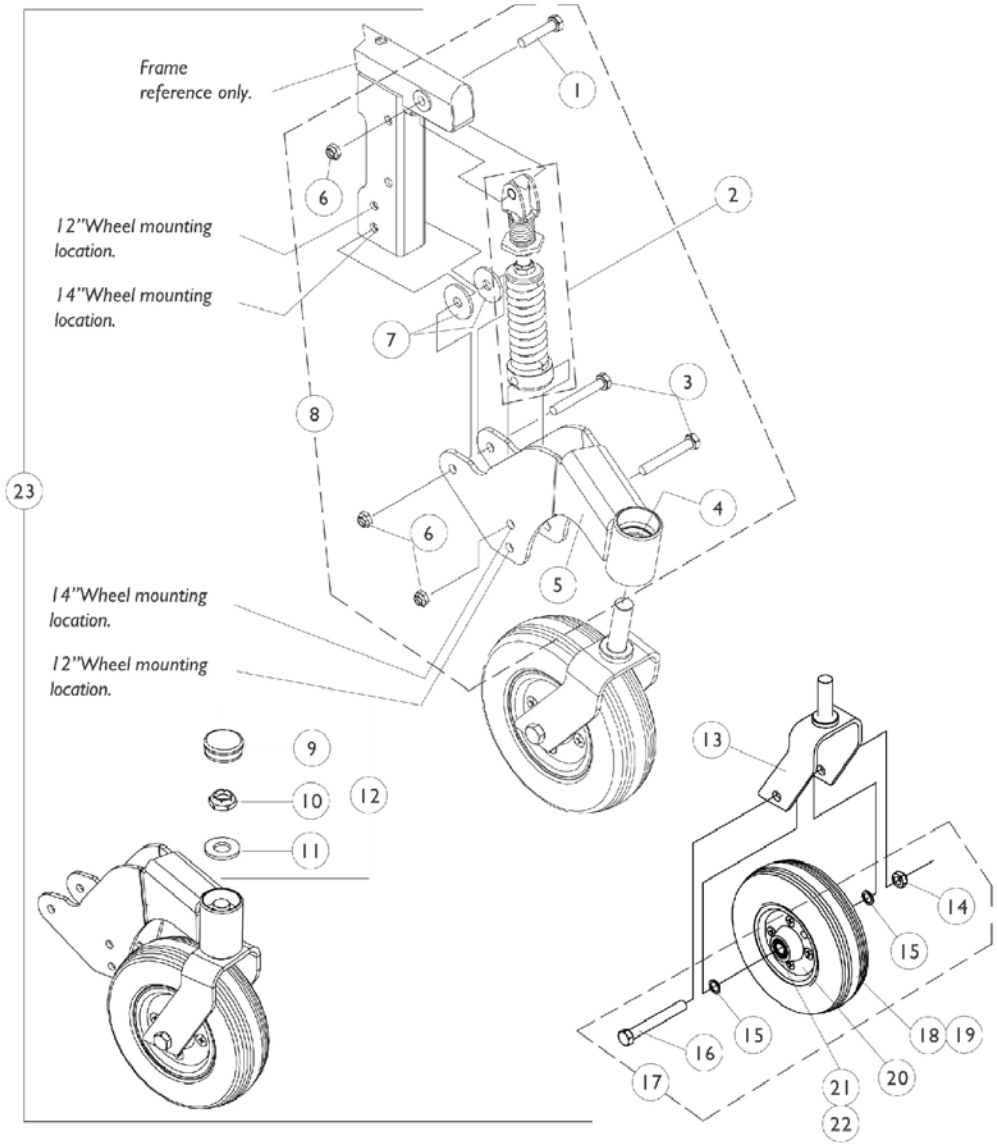
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1028514	Screw, Hex Head (5/16-24 x 1-1/2")	1	1
2		1025764	Screw, Hex Head (5/16-24 x 2-1/4")	1	5
3		1071487	Washer, Nylon (23/64 x 1-15/64 x 7/64")	1	2
4		1071506	Spacer (5/16 x 9/16 x 1-33/64)	1	2
5		1026102	Spacer (5/16 x 15/32 x 1/4")	1	2
6		7930330	Locknut (5/16-24)	25	1
7		1071507	Suspension Arm Plate	1	2
8	G	1071528	Stabilizer	1	1
8	F	1090135	Stabilizer	1	1
9	C	1090396	Wheel, Urethane 6" (Light Grey)	1	1
10	A,D	1071549	Hardware, Stabilizer Attaching	1	1
10	A,B,E	1074116	Hardware, Stabilizer Attaching, One Piece Footboard	1	1

NOTE: A - Item number 8 and 9 not included.
B - Attaching hardware comes packaged with (5) locknuts, #7930330, used for one piece footboards.
C - Wheel color changed from dark grey to light grey as of 7/28/99. Order in pairs to match for chairs manufactured before 7/28/99.
D - Includes items 1-7.
E - Includes items 2-7.
F - 6/30/99 thru 2/29/00.
G - Before 6/30/99.

Front Stabilizer Assembly

After 2/29/2000

NOTE: When converting front stabilizer assemblies made before 3/1/2000, consider the following:
1) When a chair was ordered with an adjustable flip-up footboard before 3/1/2000, the stabilizer and footboard assemblies must be converted. See Front Stabilizer with Adjustable Flip-Up Footboard Conversion Kits page.
2) When a chair was ordered with a 14" wheel option before 3/1/2000, new side frames will be needed to accommodate the stabilizers 14" wheel positioning location.



Front Stabilizer Assembly
After 2/29/2000

NOTE: When converting front stabilizer assemblies made before 3/1/2000, consider the following:
1) When a chair was ordered with an adjustable flip-up footboard before 3/1/2000, the stabilizer and footboard assemblies must be converted. See Front Stabilizer with Adjustable Flip-Up Footboard Conversion Kits page.
2) When a chair was ordered with a 14" wheel option before 3/1/2000, new side frames will be needed to accommodate the stabilizers 14" wheel positioning location.

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1028514	Screw, Hex Head (5/16-24 x 1-1/2")	1	1
2		1094630	Spring, Dual Compression Column Assembly	1	1
3		1025764	Screw, Hex Head (5/16-24 x 2-1/4")	1	2
4		40117X006	Bearing (5/8")	1	2
5		1094616	Swing Arm with Bearings, Right	1	1
5		1094617	Swing Arm with Bearings, Left	1	1
6		7930330	Locknut (5/16-24)	25	1
7		1071487	Washer, Nylon (23/64 x 1-15/64 x 7/64")	1	2
8	A,D	1094621	Stabilizer Assembly, Right	1	1
8	A,D	1094622	Stabilizer Assembly, Left	1	1
8	A,E	1094624	Stabilizer Assembly, One Piece Footboard, Right	1	1
8	A,E	1094625	Stabilizer Assembly, One Piece Footboard, Left	1	1
9		1056739	Cap, Head Tube	1	1
10		1028550	Locknut (5/8-18)	1	1
11		1041444	Washer (5/8 x 1-5/16 x 1/8")	1	1
12	G	1057949	Fork Stem Hardware	1	1
13		1094607	Fork Assembly (7")	1	1
14		7930331	Locknut (7/16-20")	25	1
15		7930329	Washer, Steel (15/32 x 5/8 x 3/64")	25	1
16		1025726	Screw, Hex Head (7/16-20 x 3-1/4")	1	1
17	F	1042489	Caster Axle Hardware (1 Pair)	2	1
18	H	1094620	Wheel with Bearings (7" x 2")	1	1
19		1094618	Tire, Urethane (7" x 2")	1	1
20		1062845	2 Piece Rim with Hardware	1	1
21		1006057	Spacer, Bearing (7/16 x 5/8 x 1-3/4)	1	1
22		1006049	Bearing (7/16")	1	2
23	B	1095097	Front Stabilizer Assembly Kit	1	1
	C	1095096	Instruction Sheet, Front Stabilizer Assembly Kit	1	1

NOTE: A - Item number 2 not included.
B - Includes items 2, 8, 12, 13, 17-22 and Instruction sheet.
C - Not Shown.
D - Includes items 1 and 3-7.
E - Inlcudes items 3-7.
F - Includes items 14-16.
G - Includes items 9-11.
H - Includes items 19-22.

Front Stabilizer with Adjustalbe Flip-Up Footboard Conversion Kits

For Chairs Made Before 3/1/2000

16" Wide Chairs - #1095098

Part Number	Description	Quantity
1095098	Front Stabilizer with Adj. Flip-Up Footboard Conversion Kit For 16" Wide See Note(s) A	1
1094624	Stabilizer Assembly, One Piece Footboard, Right	1
1094625	Stabilizer Assembly, One Piece Footboard, Left	1
1094607	Fork Assembly (7")	2
1094620	Wheel with Bearings (7" x 2")	2
1042489	Caster Hardware	2
1057949	Fork Attaching Hardware	2
1094630	Spring, Dual Column Assembly	2
1095096	Instruction Sheet, Front Stabilizer	1
1094628	Footboard Mounting Hardware (Pair)	1
1094629	Footboard Hardware (Pair)	1
1097175	Footboard, Black 16" Wide Chairs	1
1095125	Instruction Sheet, Footboard Assembly	1
NOTE: A - Includes all items listed below		

Front Stabilizer with Adjustalbe Flip-Up Footboard Conversion Kits

For Chairs Made Before 3/1/2000

18" Wide Chairs - #1095099

Part Number	Description	Quantity
1095099	Front Stabilizer with Adj. Flip-Up Footboard Conversion Kit For 18" Wide See Note(s) A	1
1094624	Stabilizer Assembly, One Piece Footboard, Right	1
1094625	Stabilizer Assembly, One Piece Footboard, Left	1
1094607	Fork Assembly (7")	2
1094620	Wheel with Bearings	2
1042489	Caster Hardware	2
1057949	Fork Attaching Hardware	2
1094630	Spring, Dual Column Assembly	2
1095096	Instruction Sheet, Front Stabilizer	1
1094628	Footboard Mounting Hardware (Pair)	1
1094629	Footboard Hardware (Pair)	1
1094613	Footboard, Black 18" Wide Chairs	1
1095125	Instruction Sheet, Footboard Assembly	1
NOTE: A - Includes all items listed below		

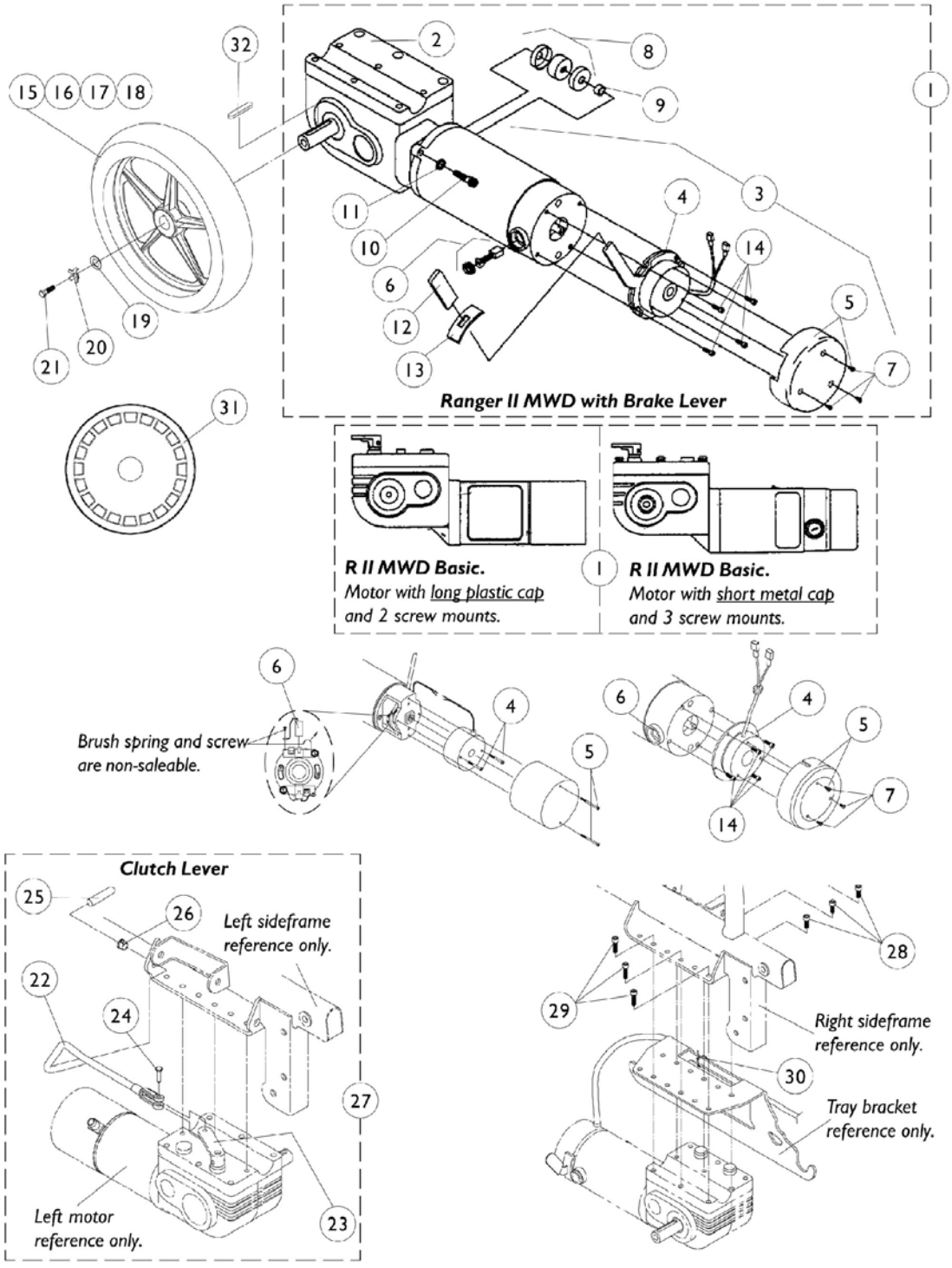
Front Stabilizer with Adjustalbe Flip-Up Footboard Conversion Kits

For Chairs Made Before 3/1/2000

20" Wide Chairs - #1095100

Part Number	Description	Quantity
1095100	Front Stabilizer with Adj. Flip-Up Footboard Conversion Kit For 20" Wide See Note(s) A	1
1094624	Stabilizer Assembly, One Piece Footboard, Right	1
1094625	Stabilizer Assembly, One Piece Footboard, Left	1
1094607	Fork Assembly (7")	2
1094620	wheel with Bearings (7" x 2")	2
1042489	Caster Hardware	2
1057949	Fork Attaching Hardware	2
1094630	Spring, Dual Column Assembly	2
1095096	Instruction Sheet, Front Stabilizer	1
1094628	Footboard Mounting Hardware (Pair)	1
1094629	Footboard Hardware (Pair)	1
1094634	Footboard, Black 20" Wide Chairs	1
1095125	Instruction Sheet, Footboard Assembly	1
NOTE: A - Includes all items listed below		

Motor, 2-Pole, Gearboxes and Drive Wheel


Ranger II MWD with Brake Lever
R II MWD Basic.
Motor with long plastic cap and 2 screw mounts.
R II MWD Basic.
Motor with short metal cap and 3 screw mounts.
Brush spring and screw are non-saleable.
Clutch Lever
Left sideframe reference only.
Left motor reference only.
Right sideframe reference only.
Tray bracket reference only.

Motor, 2-Pole, Gearboxes and Drive Wheel

Drive Wheel, 2 Pole Motor and Gearboxes - (Items 1-5)

Item Number	Description	Ranger II MWD and W.S.T. w/Brake Lever (Before 3/15/99) - Right	Ranger II MWD and W.S.T. w/Brake Lever (Before 3/15/99) - Left	Ranger II MWD Basic (Long Cap) - Right	Ranger II MWD Basic (Long Cap) - Left	Ranger II MWD Basic (Short Cap) - Right	Ranger II MWD Basic (Short Cap) - Left
1	Motor/ Gearbox	1057907-NLA	1057906	1071593	1071594	1071595-NLA See Note(s) B	1071596-NLA See Note(s) B
2	Gear Box	1056733	1056732	N/A	N/A	N/A	N/A
3	Motor Assembly	1070162	1070161	N/A	N/A	N/A	N/A
3	Motor Assembly (Recon-ditioned)	1070162E	1070161E	N/A	N/A	N/A	N/A
4	Brake Repair Kit	1056735-NLA	1056734	1055872	1055872	1057827	1057827
5	Brake Cover w/Screws	1060996	1056736	1038361 See Note(s) A	1038361 See Note(s) A	1057826	1057826

NOTE: A - Sold in pairs only
B - No Longer Available. Order the long cap Motor/ Gearbox Assembly part numbers 1071593 and 1071594 in pairs.

NOTE: Light Duty, 250-S models use long cap motors.
NOTE: See page for 4-Pole Motors with brake levers for chairs made after 3/14/99.
NOTE: MWD-R motor/gearbox is also used as a RWD-L motor/gearbox and MWD-L motor/gearbox is used as a RWD-R. The part numbers are already switched around respectively for this MWD page.

Drive Wheel, 2 Pole Motor and Gearboxes - (Items 6-32)

Item Number	Description	Ranger II MWD W.S.T. w/Brake Lever (Before 3/15/99)	Ranger II MWD Basic (Long Cap)	Ranger II MWD Basic (Short)
6	Brushes w/Cap (Pair)	1064336	561-005	1044044
7	Screw, Phillips Pan Head (4-40 x 1/4")	1050305	N/A	1050305
8	Coupling w/ Cup (1" Diameter)	5165204-NLA See Note(s) F	N/A	N/A
8	Coupling w/ Cup (1-5/16" Diameter)	50000X007 See Note(s) G	N/A	N/A
9	Spacer (5/16 x 7/16 x 7/32")	50000X341-NLA See Note(s) A	N/A	N/A
10	Screw, Socket Head (1/4-20 x 1-1/8")	1043594	N/A	N/A

Motor, 2-Pole, Gearboxes and Drive Wheel

Drive Wheel, 2 Pole Motor and Gearboxes - (Items 6-32)

Item Number	Description	Ranger II MWD W.S.T. w/Brake Lever (Before 3/15/99)	Ranger II MWD Basic (Long Cap)	Ranger II MWD Basic (Short)
11	Lockwasher	10502X001	N/A	N/A
12	Tip, Protective	1006490	N/A	N/A
13	Slotted Plate	1057972-NLA	N/A	N/A
14	Screw (8-32 x 1/2")	1008498-NLA	N/A	N/A
15	Drive Wheel w/Foam Fill (12-1/2")	1064177 See Note(s) B	1064177 See Note(s) B	1064177 See Note(s) B
15	Drive Wheel Pneumatic (12-1/2")	1064178 See Note(s) B	1064178 See Note(s) B	1064178 See Note(s) B
16	Tire (12-1/2" x 2-1/4")	1011524	1011524	1011524
17	Flat Free Insert	1073936-NLA See Note(s) C	1073936-NLA See Note(s) C	1073936-NLA See Note(s) C
18	Tube (12-1/2" x 2-1/4")	1011525	1011525	1011525
19	Washer (11/32 x 13/16 x 1/8")	1023262	1023262	1023262
20	Washer Locking Tab (Pair)	1064179	1064179	1064179
21	Screw (Pkg) (M8 x 1-1/4 x 20MM)	7930322	7930322	7930322
22	Clutch Lever -Right	N/A	1098712 See Note(s) E	1098712 See Note(s) E
22	Clutch Lever -Left	N/A	1098713 See Note(s) E	1098713 See Note(s) E
23	Bracket, Clutch Lever	N/A	1071567-NLA	1071567-NLA
24	Pin, Clevis	N/A	1071568	1071568
25	Tip, Protective	N/A	1040060	1040060
26	Bushing, Snap	N/A	1071562	1071562
27	Clutch Lever Assembly -Right	N/A	1074114	1074114
27	Clutch Lever Assembly -Left	N/A	1074135	1074135
28	Screw, Socket Head (M6 x 20MM)	1071505	1071505 See Note(s) D	1071505 See Note(s) D
29	Screw, Socket Head (M6 x 35MM)	1071504 See Note(s) D	1071504	1071504

Motor, 2-Pole, Gearboxes and Drive Wheel

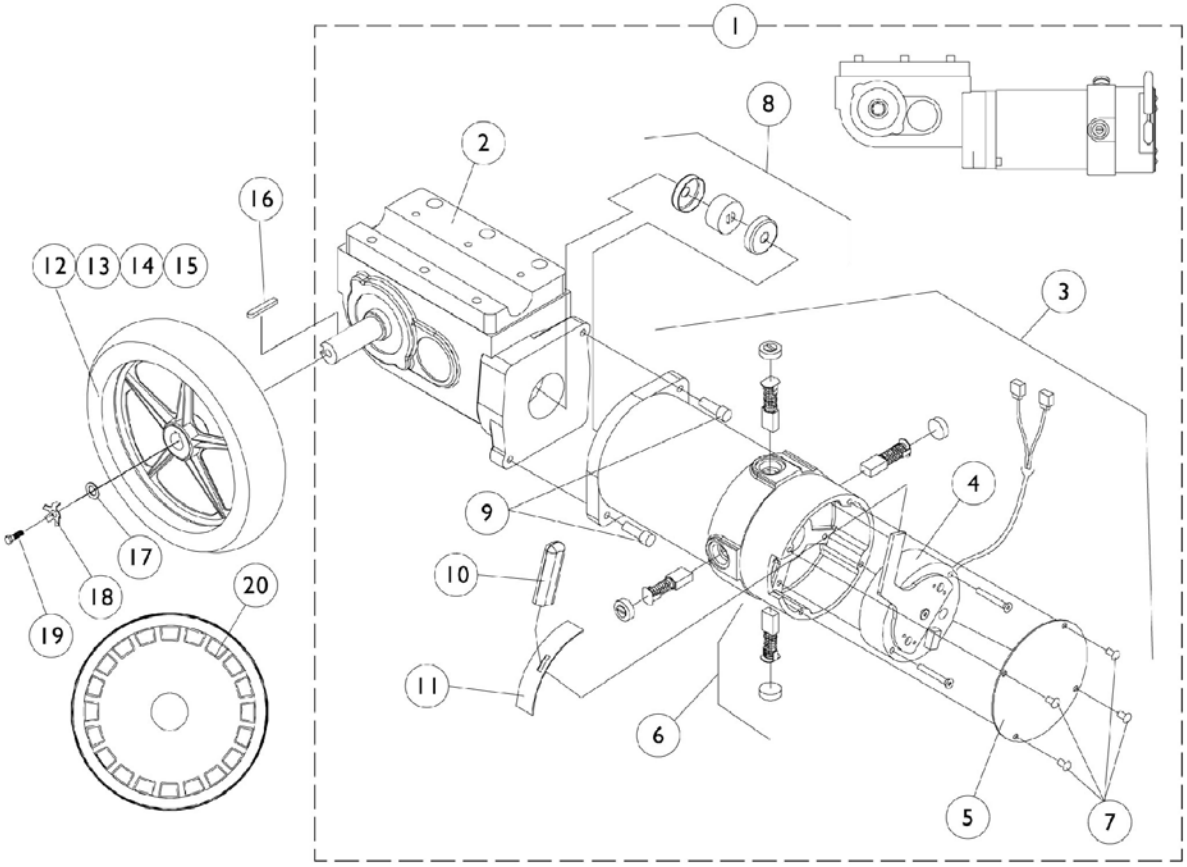
Drive Wheel, 2 Pole Motor and Gearboxes - (Items 6-32)

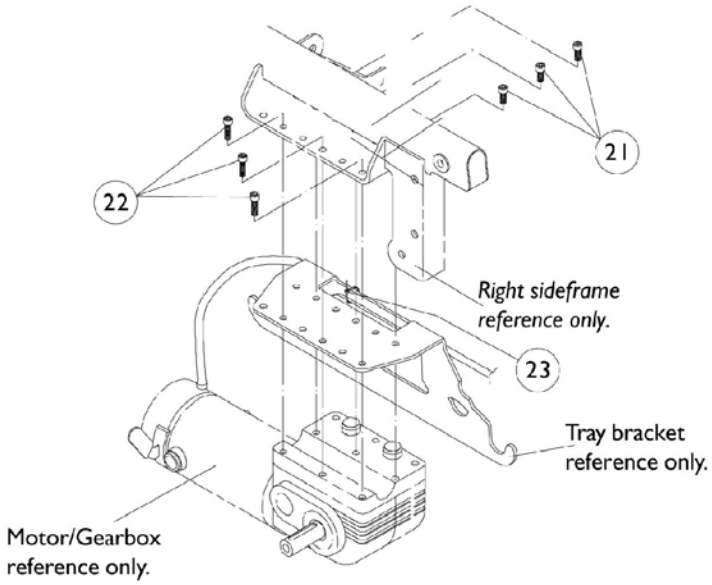
Item Number	Description	Ranger II MWD W.S.T. w/Brake Lever (Before 3/15/99)	Ranger II MWD Basic (Long Cap)	Ranger II MWD Basic (Short)
30	Cable Tie (5-5/8" Long)	1021260	1021260	1021260
31	Shroud Cover, Black Drive Wheel	1074974-NLA	1074974-NLA	1074974-NLA
32	Key	1023264	1023264	1023264

NOTE:
A - Spacer not needed after 6/30/98
B - Drive Wheel comes with a locking tab and instruction sheet
C - As of 10/20/99 the "Solid" Flat Free Insert was replaced with a "Foam Fill" process. When a Flat Free Insert is requested, a complete wheel must be ordered
D - Weight Shifting Tilt takes a quantity of 2 per side for item 29
E - Short end of clutch lever was lengthened form 2" to 2-3/4" long as of 12/11/00. Replace in pairs for chairs made before 12/11/00

F - Coupling with Cup for chairs manufactured before 11/12/01 - Use part # 50000X007 as a direct replacement part.
G - After 11/11/01 Coupling with Cup was resized from approximately 1" to 1-5/16" diameter and can be used as a direct replacement for part number 5165204

Motor, 4-Pole, Gearboxes and Drive Wheel





Motor, 4-Pole, Gearboxes and Drive Wheel

Item Number	Description	Ranger II M.W.D. and W.S.T. w/ Brake Lever (After 3/14/99)
1	Motor/ Gearbox (Before 10/29/01) - Right	1085950 See Note(s) G
1	Motor/ Gearbox (Before 10/29/01) - Left	1085949 See Note(s) G
1	Motor/ Gearbox (Before 10/29/01) - Right (Refurbished)	1085950E
1	Motor/ Gearbox (Before 10/29/01) - Left (Refurbished)	1085949E
1	Motor/ Gearbox (After 10/28/01) - Right	1109168
1	Motor/ Gearbox (After 10/28/01) - Left	1109167
2	Gearbox, Right	1086222 See Note(s) F
2	Gearbox, Left	1086221 See Note(s) F
3	Motor Assembly (Before 10/29/01) - Right	1086788
3	Motor Assembly (Before 10/29/01) - Left	1087218
3	Motor Assembly (After 10/28/01) - Right	1109229
3	Motor Assembly (After 10/28/01) - Left	1109228
4	Brake Repair Kit, Right	1070295
4	Brake Repair Kit, Left	1070294
5	Brake Cover with Screws (Before 10/29/01)	1070297-NLA
5	Brake Cover with Screws (After 10/28/01)	1104402-NLA
6	Brushes with Caps (Set of 4)	1070296
7	Screw, Socket Pan Head (8-32 x 1/4")	See Item 5
8	Coupling w/ Cup (1" Diameter)	5165204-NLA See Note(s) D
8	Coupling w/ Cup (1-5/16" Diameter)	50000X007 See Note(s) E
9	Screw, SHC (1/4-20 x 1-1/8")	1043594 See Note(s) F
9.	Screw, SHC (M6 x 1 x 20MM)	1108978 See Note(s) F
10	Plastic Tip (Before 10/29/01)	1082984

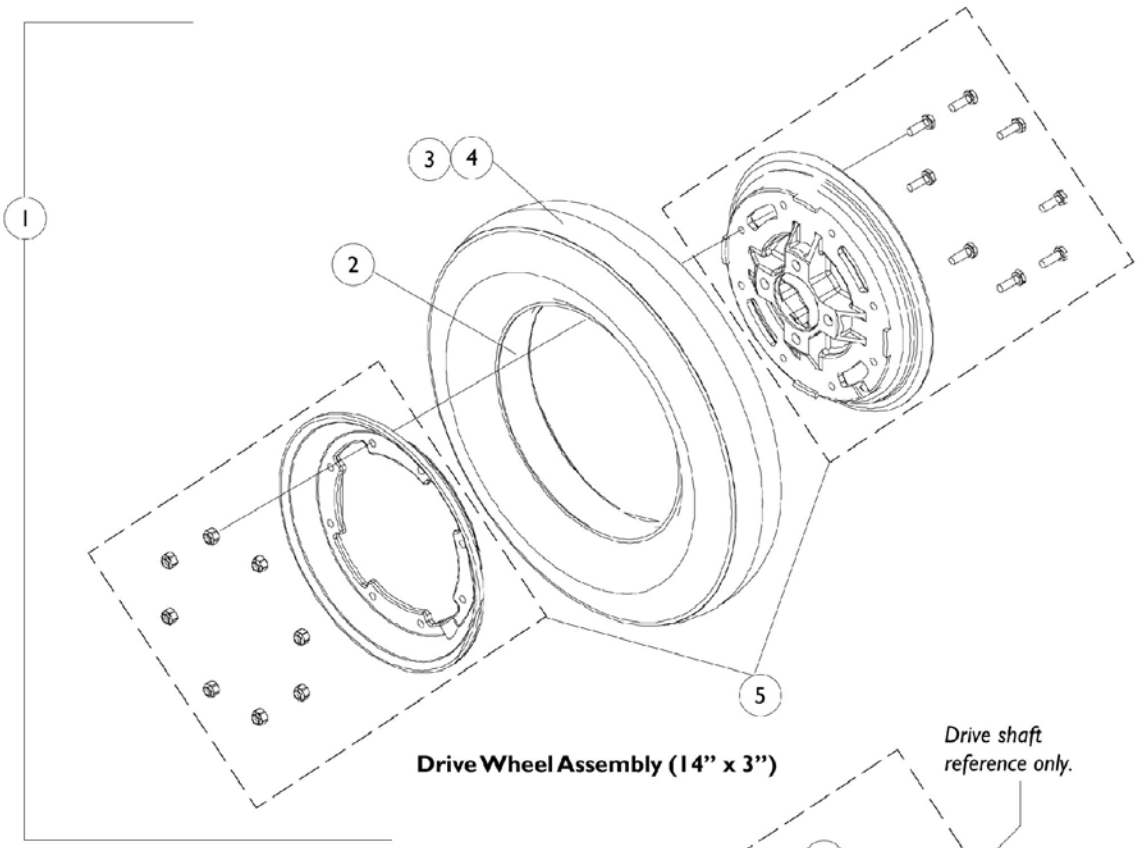
Motor, 4-Pole, Gearboxes and Drive Wheel

Item Number	Description	Ranger II M.W.D. and W.S.T. w/ Brake Lever (After 3/14/99)
10	Plastic Tip (After 10/28/01)	1101725
11	Slotted Plate	1082985
12	Drive Wheel with Foam Fill (12-1/2")	1064177 See Note(s) A
12	Drive Wheel, Pneumatic (12-1/2")	1064178 See Note(s) A
13	Tire (12-1/2" x 2-1/4")	1011524
14	Flat Free Insert	1073936-NLA See Note(s) B
15	Tube (12-1/2" x 2-1/4")	1011525
16	Key	1023264
17	Washer (11/32 x 13/16 x 1/8")	1023262
18	Washer, Locking Tab (Pair)	1064179
19	Screw, Hex Head (M8 x 1-1/4 x 20MM) (Pkg. of 25)	7930322
20	Shroud Cover Black, Drive Wheel	1074974-NLA
21	Screw, Socket Head (M6 x 20MM)	1071505
22	Screw, Socket Head (M6 x 35MM)	1071504 See Note(s) C
23	Cable Tie (5-5/8" Long)	1021260

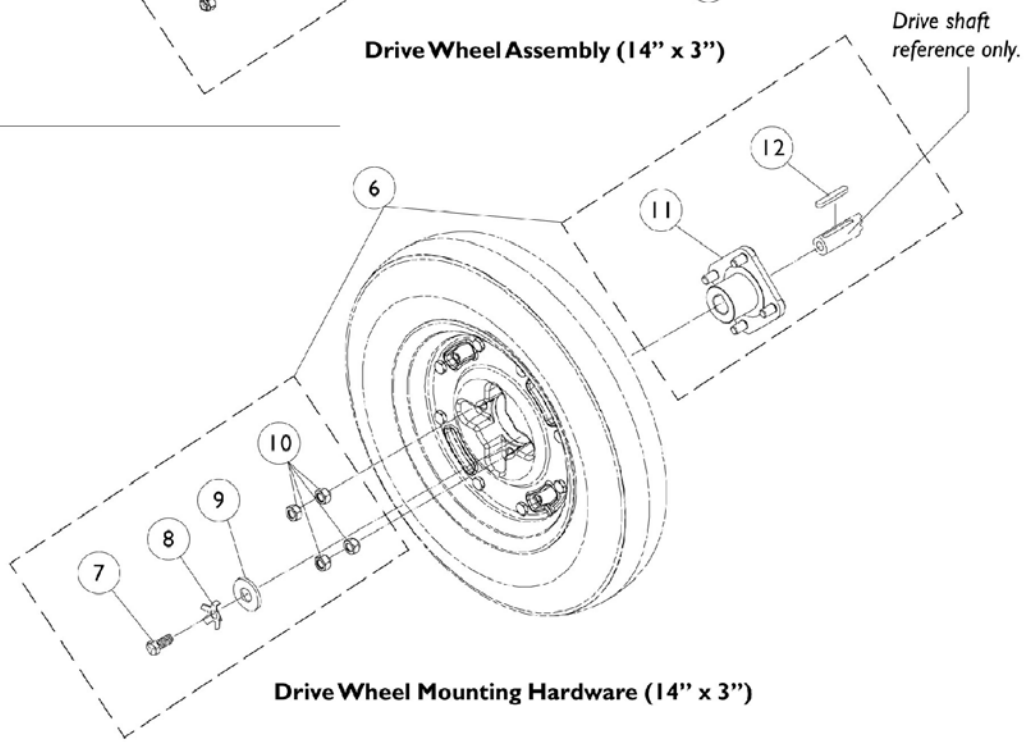
NOTE: A - Drive wheel comes with a locking tab and instruction sheet.
B - As of 10/20/99, the "solid" flat free insert was replaced by a "foam fill" process. When a Flat Free Insert is requested, a complete wheel must be ordered.
C - Weight Shifting Tilt takes only 2 per side for item 22.
D - Coupling with Cup for chairs manufactured before 11/12/01 - Use part # 50000X007 as a direct replacement part.
E - After 11/11/01 Coupling with Cup was resized from approximately 1" to 1-5/16" diameter and can be used as a direct replacement for part number 5165204
F - When a new gearbox or mounting screws are ordered, (2 ea.) metric and (2 ea.) non-metric screws (item 9) must be ordered. Invacare Corp. utilizes alternate suppliers for this part number.
G - As of May 2008, the Metal Motor End Cap will be replaced with a Composite Motor End Cap. The change does not affect form, fit, function or aesthetics.

NOTE: See page for 2-Pole Motors with brake levers for chairs made before 3/15/99.
NOTE: MWD-R motor/gearbox is also used as a RWD-L motor/gearbox and MWD-L motor/gearbox is used as a RWD-R. The part numbers are already switched around respectively for this MWD page.

Drive Wheel (14" x 3") and Hub Mount
Optional on Chair As Of 10/15/99



Drive Wheel Assembly (14" x 3")



Drive Wheel Mounting Hardware (14" x 3")

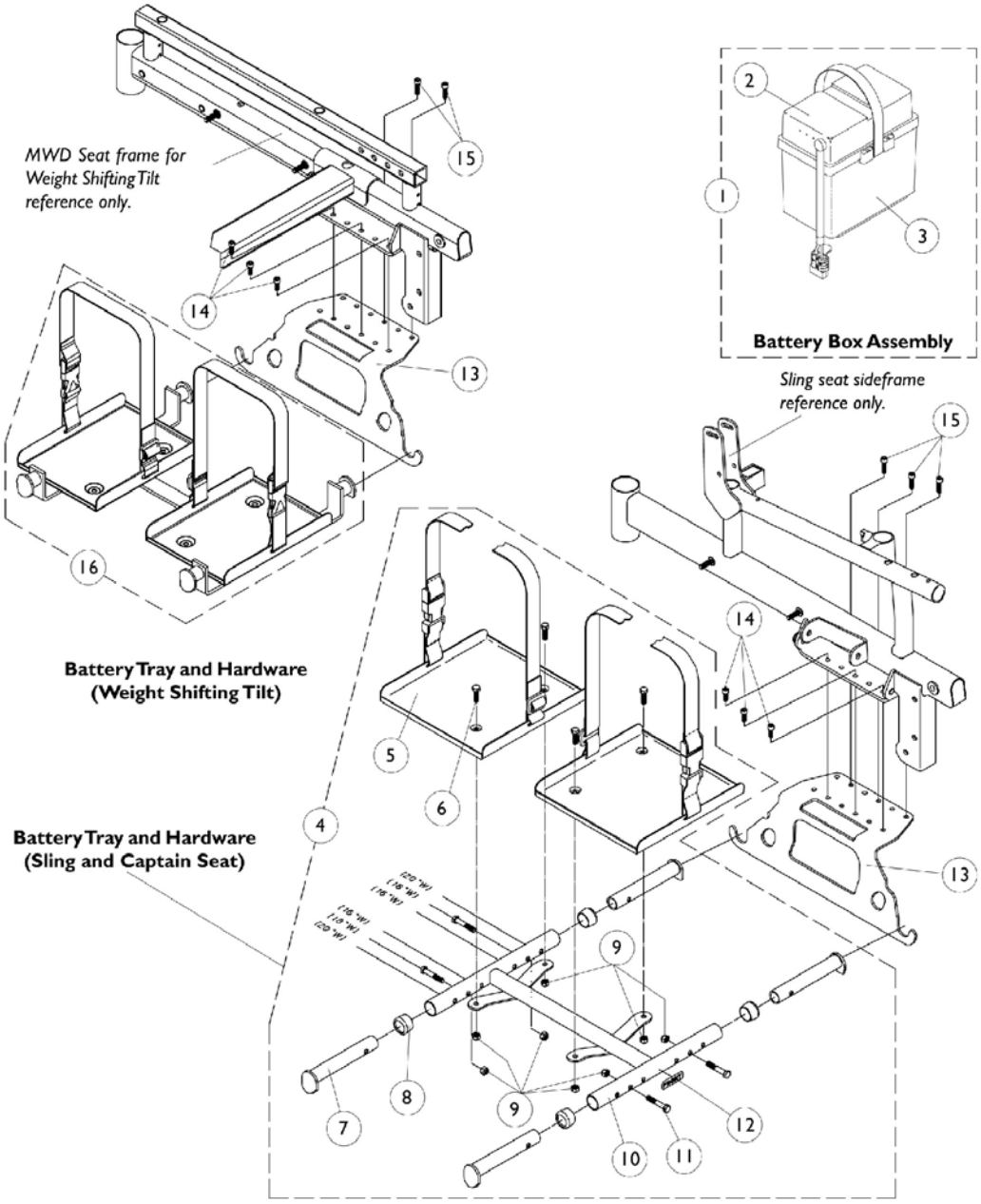
Drive Wheel (14" x 3") and Hub Mount
Optional on Chair As Of 10/15/99

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1090649	Assembly, Drive Wheel, Pneumatic (14" x 3")	1	1
1		1090650	Drive Wheel Assembly w/ Flat Free Insert (14" x 3")	1	1
2		1101754	Tire with Flat Free (14" x 3")	1	1
3		1039652	Tire, Pneumatic (14" x 3")	1	1
4		1039651	Tube (14" x 3")	1	1
5	A	1090651	Rim, 8" with Hardware (14 x 3" Wheel)	1	1
6	B	1090648-NLA	Hardware, Drive Wheel Mounting w/ Instruction Sheet (14" x 3")	1	1
7		7930322	Screw, Hex Head (M8 x 1-1/4" x 20MM)	25	1
8		1064179	Kit, Locking Tab Washers with Instruction Sheet	2	2
9		1023262	Washer (11/32 x 13/16 x 1/8")	1	1
10		1024444	Locknut (5/16-24)	1	4
11		1086681-NLA	Hub, Wheel (14" x 3")	1	1
12		1023264	Key (6 MM x 6MM x 40 MM)	1	1

NOTE: A - Hardware consists of: 8 ea. Screw, Hex Head Cap (1/4-20 x 3/4"); 8 ea. Locknut, High Profile (1/4-20).
B - Includes items 7-12 and instruction sheet.

Battery Boxes and Trays

NOTE: Light Duty, 250-S Models use UI batteries with 22NF battery boxes.


MWD Seat frame for Weight Shifting Tilt reference only.
Battery Box Assembly
Sling seat sideframe reference only.
Battery Tray and Hardware (Weight Shifting Tilt)
Battery Tray and Hardware (Sling and Captain Seat)

Battery Boxes and Trays

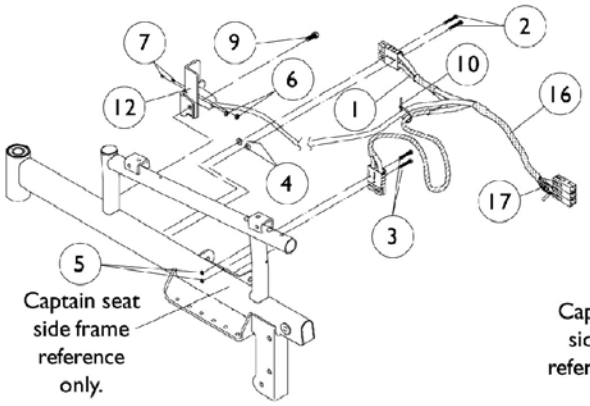
NOTE: Light Duty, 250-S Models use UI batteries with 22NF battery boxes.

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	G	1097007	Battery Box Assembly, Rear (22NF)	1	2
2	A,B,G	1097003	Battery Box Top, Rear (22NF)	1	2
3	H	1057944	Battery Box Bottom with Strap	1	2
3		1057954	Battery Strap	1	2
3		1041433	Pin, Handle	1	2
4	I	1071532	Battery Tray Assembly with Hardware	1	1
5		1071490	Tray with Strap and Buckle	1	2
6		1025752	Screw, Hex Head (1/4-20 x 1-1/2")	1	4
7		1071566	Pin, Tray	1	4
8		15680X012	Collar, Anti-Rattle (7/8")	1	4
9		7930333	Locknut (1/4-20)	25	1
10		1071531	Tray Support	1	1
11		1021406	Screw, Hex Head (1/4-20 x 1-1/4")	1	4
12		1074127	Decal, Tray	1	1
13		1071543	Bracket, Tray	1	2
14		1071505	Screw, Socket Head Cap with Patch (M6 x 20MM)	1	3
15	J	1071504	Screw, Socket Head Cap with Patch (M6 x 35MM)	1	3
16		1079193	Battery Tray with Strap, Weight Shifting Tilt	1	1
	A,E	50000X166-NLA	Fuse, 60 Amp (Buss 2-1/4" Long)	1	2
	E,F	1089385	Fuse, 80 Amp, MIDI (Non-G/B & G/B)	1	2
	C,E,K	1060318	Hardware, Battery Terminal, UI Batteries (Pair)	2	1
	D,E	1058618	Hardware, Battery Terminal, 22NF Batteries (1 Pair)	2	1

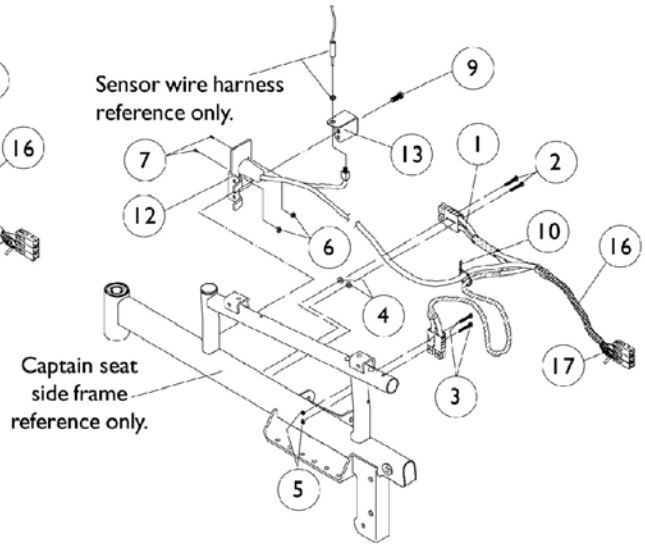
NOTE:
A - As of 11/5/99 the battery harness fuse changed from Bussman 60 AMP to a MIDI 80 AMP fuse. This battery box top is compatible for all chairs manufactured before 11/5/99 and must be ordered whenever a replacement Bussman 60 AMP fuse is requested.
B - It is recommended that new terminal hardware be ordered when a new battery box top is ordered.
C - Hardware includes small battery terminal caps (gray and orange), 1/4-20 x 7/8" hex flange screws, 1/4-20 hex flange nuts, cable ties, locking tab washers and instruction sheet for two batteries.
D - Hardware includes battery clamps, battery clamp caps (red and black), small battery terminal caps (red and black), 1/4-20 x 7/8" hex flange screws, 1/4-20 hex flange nuts, cable ties and locking tab washers for two batteries.
E - Not Shown.
F - After 11/4/99 - Dual Battery Box or After 11/9/00 - Single Battery Box.
G - 22NF and UI 250-S Models.
H - #1057944 includes: (2) each #1057954 Battery Strap and (2) each #1041433 Handle Pin.
I - Includes items 5-13.
J - (3) each required for Non-Weight Shifting Tilt and (2) each required for Weight Shifting Tilt.
K - 250-S Models.

Battery Charger and Harnesses

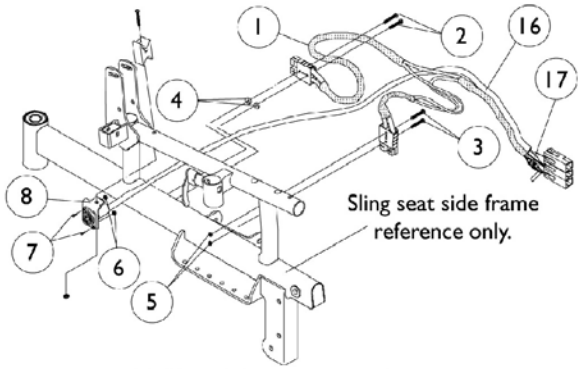
Light Duty, 250-S models use a 4 amp. battery charger, #1061411.



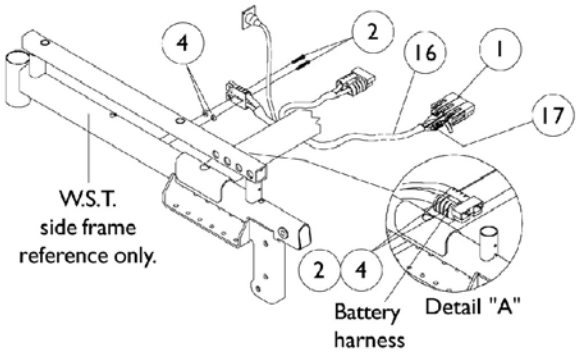
Battery Harness Layout
(Low Back Captain Seat
and Sling Seat with Shrouds.)



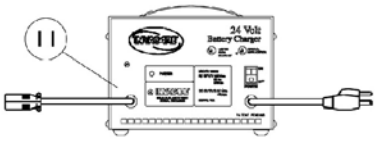
Battery Harness Layout
(High Back Captain Seat)



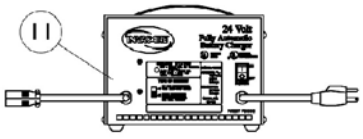
Battery Harness Layout
(Sling Seat w/o Shrouds.)



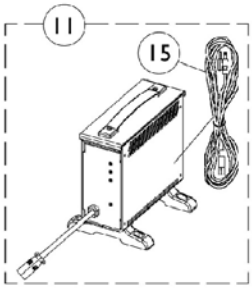
Battery Harness Layout
(Weight Shifting Tilt)



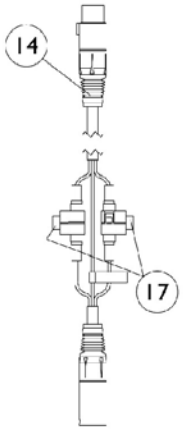
Lester 4 Amp. Battery Charger



Lester 8 Amp. Battery Charger



Dynamic or CTE
Battery Charger



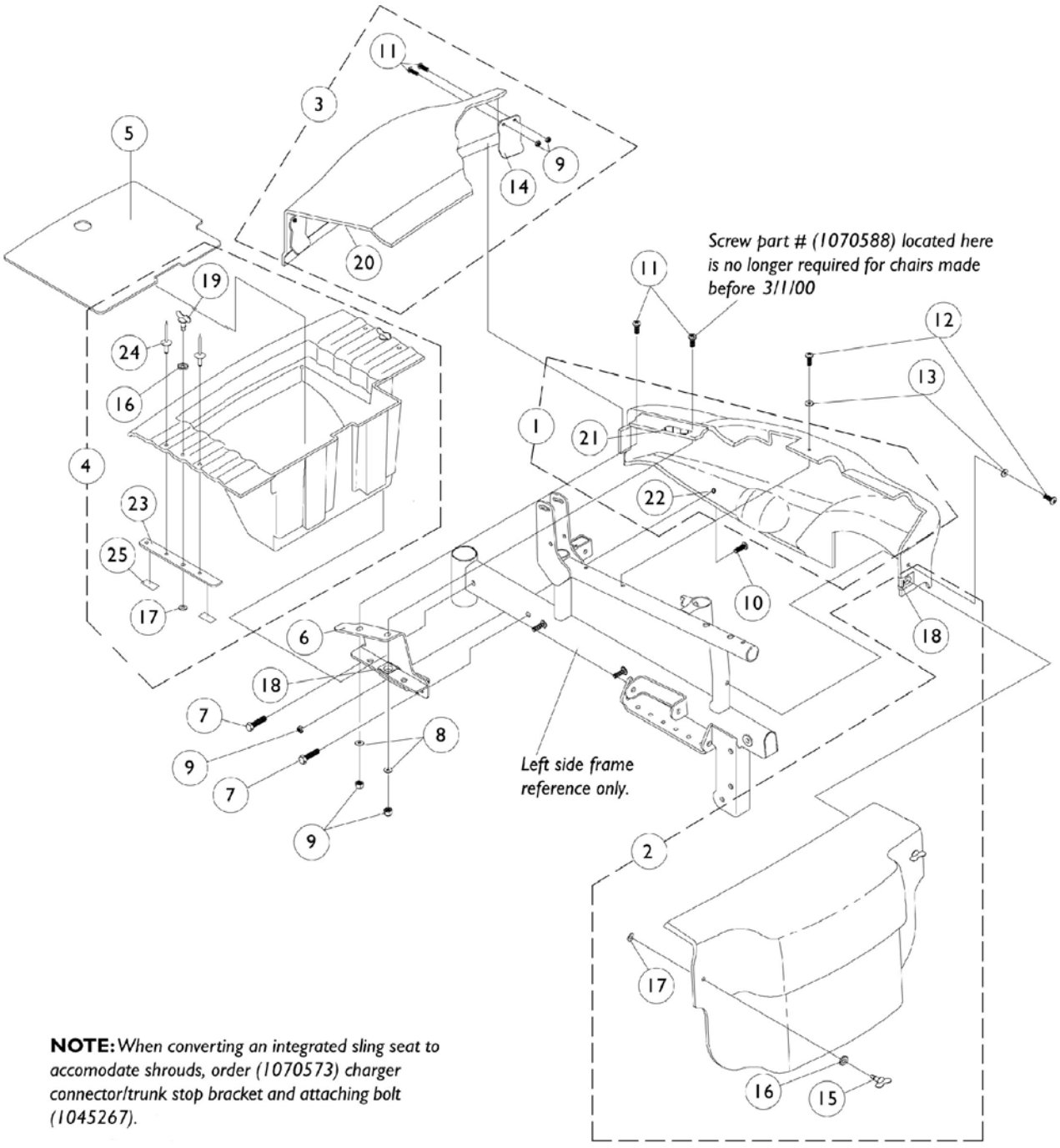
Battery Charger and Harnesses

Light Duty, 250-S models use a 4 amp. battery charger, #1061411.

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	H	1053834	Harness, Wiring, Standard	1	1
1	I	1070590	Harness, Wiring	1	1
2	J	1039773	Screw, Phillips Pan Head (#6-32 x 1-1/8")	1	4
3		1011980	Screw, Phillips Pan Head (#6-32 x 3/4")	1	2
4		1061323	Washer, Nylon (11/64 x 1/2 x 1/8")	1	4
5		P0870X050	Nut, Keps (#6-32)	1	2
6		P0870X000	Nut, Hex Keps (#4-40)	1	2
7		7930318	Screw, Phillips Pan Head (#4-40 x 1/2")	25	1
8		1053837	Bracket, Charger Connector	1	1
9		1045267	Screw, Hex Head (1/4-20 x 3/4")	1	1
10		1021260	Cable Tie (5-5/8" Long)	1	1
11	B	1053161	Battery Charger, 8 Amp. 115vac (Off Board) Dual Mode Round Plug, Lester	1	1
11		1085678-NLA	Battery Charger, 8 Amp. 115vac (Off Board) Dual Mode Round Plug w/ AC Power Line Cord, Dynamic	1	1
11	G,L	1061411-NLA	Battery Charger, 4 Amp. 115vac (Off Board) Dual Mode Round Plug, Lester	1	1
11	M,M1	1123249	Battery Charger, 8 Amp. 115vac (Off Board) Single Mode Round Plug w/ AC Power Line Cord, CTE Corp.	1	1
12	A	1076390	Bracket, Battery Charger, Connector/Trunk Stop	1	1
13		1076389-NLA	Bracket, Limit Switch Sensor	1	1
14		1083929	Cable, Charger Extension (24" Long Round Plug)	1	1
15		1089627	Cord, AC Power Line 115vac (2-prong off-board 11'6"L)	1	1
16	C	1090357	Wrap, Slit Wire Harness (1/2" O.D.) (36" Long Cut To Length)	1	1
17	E	1098892	Fuse, 15 Amp. (Buss ATC-15)	1	2
17	K	1090117	Fuse, 15 Amp. (Buss Mini ATM-15)	1	2
	D,F	1095502	Package, Cable Ties (11-1/2" Long)	10	1

NOTE:
A - #1070573 was replaced with #1076390 and serves as a direct replacement for low back captain seats and sling seats with shrouds for chairs manufactured before 7/1/99.
B - On 7/18/01 Lester 8 amp. battery charger was reinstated.
C - Plastic wire replaced mesh fabric and heat shrink 9/1/99. Part #1090357 can be used for chairs manufactured before 9/1/99 as well.
D - Not Shown.
E - Before 4/1/03. Charger extension cable requires 1 fuse and wire harness requires 2 fuses
F - Package of 10.
G - Light Duty, 250-S Models Only.
H - Low Back Captain Seat, Sling Seat with Shrouds and Weight Shifting Tilt.
I - High Back Captain Seat.
J - (4) each Weight Shifting Tilt; (2) each Non-Weight Shifting Tilt.
K - After 3/31/03. Charger extension cable requires 2 fuses and wire harness requires 2 fuses
L - CTE 8 Amp. charger replaced the obsoleted 4 Amp. charger as of 4/1/04.
M - CTE charger introduced 4/1/04. Used on Gel Cell or AGM (Absorbed Glass Mat) batteries. For wet cell batteries refer to the 8 amp. Lester charger.
M1 - CTE charger looks exactly the same as Dynamic's charger except for the company name that is silk screened on the narrow side panel, where the charger plug is (hard wired) attached. Serial number starts with 04A00000001.

Shroud Covers - Before 3/1/00


Screw part # (1070588) located here is no longer required for chairs made before 3/1/00
Left side frame reference only.
NOTE: When converting an integrated sling seat to accomodate shrouds, order (1070573) charger connector/trunk stop bracket and attaching bolt (1045267).

Shroud Covers - Before 3/1/00

Item #'s 1-5 Shroud Covers Before 3/1/00

Item Number	Description	Bright Plum Metallic	Bright Blue Metallic	Bright Silver Metallic	Blue Green Chameleon	Candy Apple Red
1	Side Panel (Captain) - Right	1074942 See Note(s) B, D	1074943 See Note(s) B, D	1074945 See Note(s) B, D	1074944 See Note(s) B, D	1085094 See Note(s) B, D
1	Side Panel (Captain) - Left	1074946 See Note(s) B, D	1074947-NLA See Note(s) A, D, B	1074949 See Note(s) B, D	1074948 See Note(s) B, D	1085095 See Note(s) B, D
1	Side Panel (Sling Seat) - Right	1074975 See Note(s) B, D	1074976 See Note(s) A, D, B	1074978 See Note(s) B, D	1074977-NLA See Note(s) B, D	1085092 See Note(s) A, B, D
1	Side Panel (Sling Seat) - Left	1074979 See Note(s) B, E	1074980 See Note(s) B, E	1074982 See Note(s) B, E	1074981 See Note(s) B, E	1085093 See Note(s) B, D, E
2	Battery Cover - 16" Wide	1074970-NLA See Note(s) C	1074971 See Note(s) C	1074973 See Note(s) C	1074972-NLA See Note(s) C, A	1085088 See Note(s) C
2	Battery Cover - 18" Wide	1074966-NLA See Note(s) A, C	1074967 See Note(s) C	1074969 See Note(s) C	1074968 See Note(s) C	1085087 See Note(s) C
2	Battery Cover - 20" Wide	1074962 See Note(s) C	1074963-NLA See Note(s) A	1074965 See Note(s) C	1074964 See Note(s) C	1085086-NLA See Note(s) C
3	Trunk Lid - 16" Wide	1074958-NLA See Note(s) A, C	1074959 See Note(s) C	1074961-NLA See Note(s) A, C	1074960 See Note(s) C	1085091 See Note(s) C
3	Trunk Lid - 18" Wide	1074954 See Note(s) C	1074955 See Note(s) C	1074957 See Note(s) C	1074956 See Note(s) C	1085090 See Note(s) C
3	Trunk Lid - 20" Wide	1074950-NLA See Note(s) A, C	1074951 See Note(s) C	1074953 See Note(s) C	1074952 See Note(s) C	1085089 See Note(s) C
4	Rear Storage Compartment, - 16" Wide	1070562 See Note(s) C	1070562 See Note(s) C	1070562 See Note(s) C	1070562 See Note(s) C	1070562 See Note(s) C
4	Rear Storage Compartment, - 18" Wide	1070561 See Note(s) C	1070561 See Note(s) C	1070561 See Note(s) C	1070561 See Note(s) C	1070561 See Note(s) C
4	Rear Storage Compartment, - 20" W See Note(s) C	1070560	1070560 See Note(s) C	1070560 See Note(s) C	1070560 See Note(s) C	1070560 See Note(s) C
5	Storage Shelf, Rear	1071655	1071655	1071655	1071655	1071655

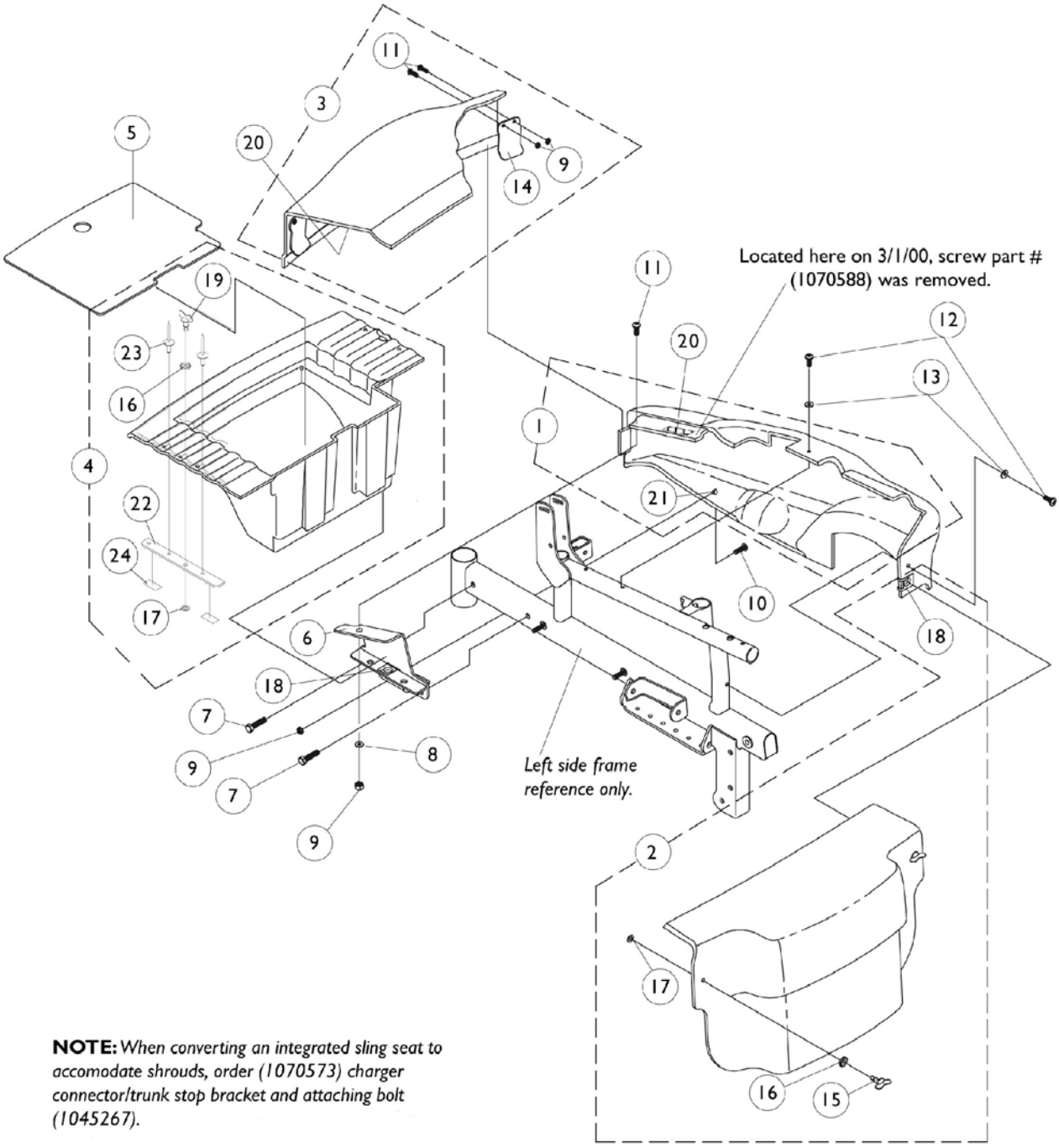
NOTE: A - Shrouds made before 3/1/00 are NLA. See page titled, "Shroud Covers - After 2/29/00" and select a color conversion package.
B - Decals not included. See page titled, "Packaging, Literature and Decals."
C - Captain seat shrouds on 18" wide only.
D - Side Panel (Captain Seat) includes rubber bushing.
E - Side Panel (Sling Seat) includes rubber bushing.

Shroud Covers - Before 3/1/00

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1-5		See Chart	Item #'s 1-5 Shroud Covers - Before 3/1/00	1	1
6		1070565	Bracket, Shroud, Right	1	1
6		1070566	Bracket, Shroud, Left	1	1
7		1045267	Screw, Hex Head (1/4-20 x 3/4")	1	4
8		1028516	Washer (3/16 x 7/16 x 1/16")	1	2
9		7930332	Locknut, High Profile (#10-32)	25	1
10		1070575	Screw, Phillips Head (#10-32 x 7/8")	1	2
11		1070588	Screw, Truss Head (#10-32 x 1/2")	1	6
12		1028755	Screw, Phillips Pan Head (#10-32 x 5/8")	1	4
13		1070587	Washer, Flat (3/16 x 5/8 x 1/16")	1	4
	A,B	1070564	Side Panel Attaching Hardware	1	1
14		1070577	Plate, Trunk Clip	1	2
15		1070583	Stud, Wing Head (3/4" Long)	1	2
16		1070581	Washer, Nylon Cupped (9/32 x 19/32 x 3/32")	1	4
17		1070580	Washer, Nylon Retainer (1/4 x 1/2 x 1/32")	1	4
18		1013497	Fastener, 1/4 Turn Clip-On	1	4
19	C	1070585	Stud, Oval Slotted (1" Long)	1	2
19	D	1070574	Stud, Wing Head (1" Long)	1	2
20		1070556	Fastener, Dual Lock (1" Wide x 2" Long)	1	2
21		1070555	Fastener, Dual Lock (5/8" Wide x 2" Long)	1	2
22		1070594	Bushing, Rubber	1	2
23		1070563	Plate, Trunk	1	2
24		1070582	Rivet	1	4
25		1062096-NLA	Fastener, Loop (1/2" Wide x 1" Long)	1	4

NOTE: A - Not Shown.
B - Includes items 6-13.
C - Before 2/11/98.
D - After 2/10/98.

Shroud Covers - After 2/29/00



NOTE: *When converting an integrated sling seat to accomodate shrouds, order (1070573) charger connector/trunk stop bracket and attaching bolt (1045267).*

Shroud Covers - After 2/29/00

Item #'s 1-5 Shroud Covers After 2/29/00

Item Number	Description	Ocean Blue	Emerald Green	Liquid Black	Candy Apple Red
1	Side Panel (Captain) - Right	1102266-NLA See Note(s) B, A, D	1102267-NLA See Note(s) B, A, D	1102265-NLA See Note(s) B, D, A	1102264-NLA See Note(s) B, A, D
1	Side Panel (Captain) - Left	1102270-NLA See Note(s) B, A, D	1102271-NLA See Note(s) B, A, D	1102269-NLA See Note(s) B, A, D	1102268-NLA See Note(s) B, D, A
1	Side Panel (Sling Seat) Right See Note(s) B	1102274-NLA See Note(s) B, A, D	1102275-NLA See Note(s) B, D, A	1102273-NLA See Note(s) B, A, D	1102272-NLA See Note(s) B, A, D
1	Side Panel (Sling Seat) Left	1102278-NLA See Note(s) B, D, A	1102279-NLA See Note(s) B, D, A	1102277-NLA See Note(s) B, D, A	1102276-NLA See Note(s) B, D, A
2	Battery Cover - 16" Wide	1094737 See Note(s) C	1094738 See Note(s) C	1094736 See Note(s) C	1094735 See Note(s) C
2	Battery Cover - 18" Wide	1094733-NLA See Note(s) C	1094734-NLA See Note(s) C	1094732 See Note(s) C	1094731-NLA See Note(s) C
2	Battery Cover - 20" Wide	1094729 See Note(s) C	1094730 See Note(s) C	1094728 See Note(s) C	1094727 See Note(s) C
3	Trunk Lid - 16" Wide	1102262-NLA See Note(s) B, C	1102263-NLA See Note(s) B, C	1102261-NLA See Note(s) B, C	1102260-NLA See Note(s) B, C
3	Trunk Lid - 18" Wide	1102258-NLA See Note(s) B, C	1102259-NLA See Note(s) B, C	1102257-NLA See Note(s) B, C	1102256-NLA See Note(s) B, C
3	Trunk Lid - 20" Wide	1102254-NLA See Note(s) B, C	1102255-NLA See Note(s) B, C	1102253-NLA See Note(s) B, C	1102252-NLA See Note(s) B, C
4	Rear Storage Compartment - 16" Wide	1070562 See Note(s) C	1070562 See Note(s) C	1070562 See Note(s) C	1070562 See Note(s) C
4	Rear Storage Compartment - 18" Wide	1070561 See Note(s) C	1070561 See Note(s) C	1070561 See Note(s) C	1070561 See Note(s) C
4	Rear Storage Compartment - 20" Wide	1070560 See Note(s) C	1070560 See Note(s) C	1070560 See Note(s) C	1070560 See Note(s) C
5	Rear Storage Compartment, Shelf-Black	1071655	1071655	1071655	1071655

NOTE: A - Decals not included. See page titled, "Packaging, Literature and Decals."
B - Dual lock fasteners and spacers are not included with shrouds. See item 20.
C - Captain seat shrouds on 18" wide only.
D - Side Panel includes Rubber Bushing.

Shroud Covers - After 2/29/00

Color Conversion Package, Captain Seat

Ocean Blue	Emerald Green	Liquid Black	Candy Apple Red
1096875-NLA See Note(s) A, C, B	1096876-NLA See Note(s) A, B, C	1096874-NLA See Note(s) A, B, C	1096873-NLA See Note(s) A, B, C

NOTE: A - Decals not included. See page titled, "Packaging, Literature and Decals."
B - Not Shown.
C - Includes items 1,3,8,9,10,11,12 and 13.

Color Conversion Package, Sling Seat

Width	Ocean Blue	Emerald Green	Liquid Black	Candy Apple Red
16" Wide	1096883-NLA See Note(s) A, B, C	1096884-NLA See Note(s) A, C, B	1096882-NLA See Note(s) A, B, C	1096881-NLA See Note(s) A, B, C
18" Wide	1096879-NLA See Note(s) A, B, C	1096880-NLA See Note(s) A, B, C	1096878-NLA See Note(s) A, C, B	1096877-NLA See Note(s) A, B, C
20" Wide	1096887-NLA See Note(s) A, C, B	1096888-NLA See Note(s) A, C, B	1096886-NLA See Note(s) A, C, B	1096885-NLA See Note(s) A, C, B

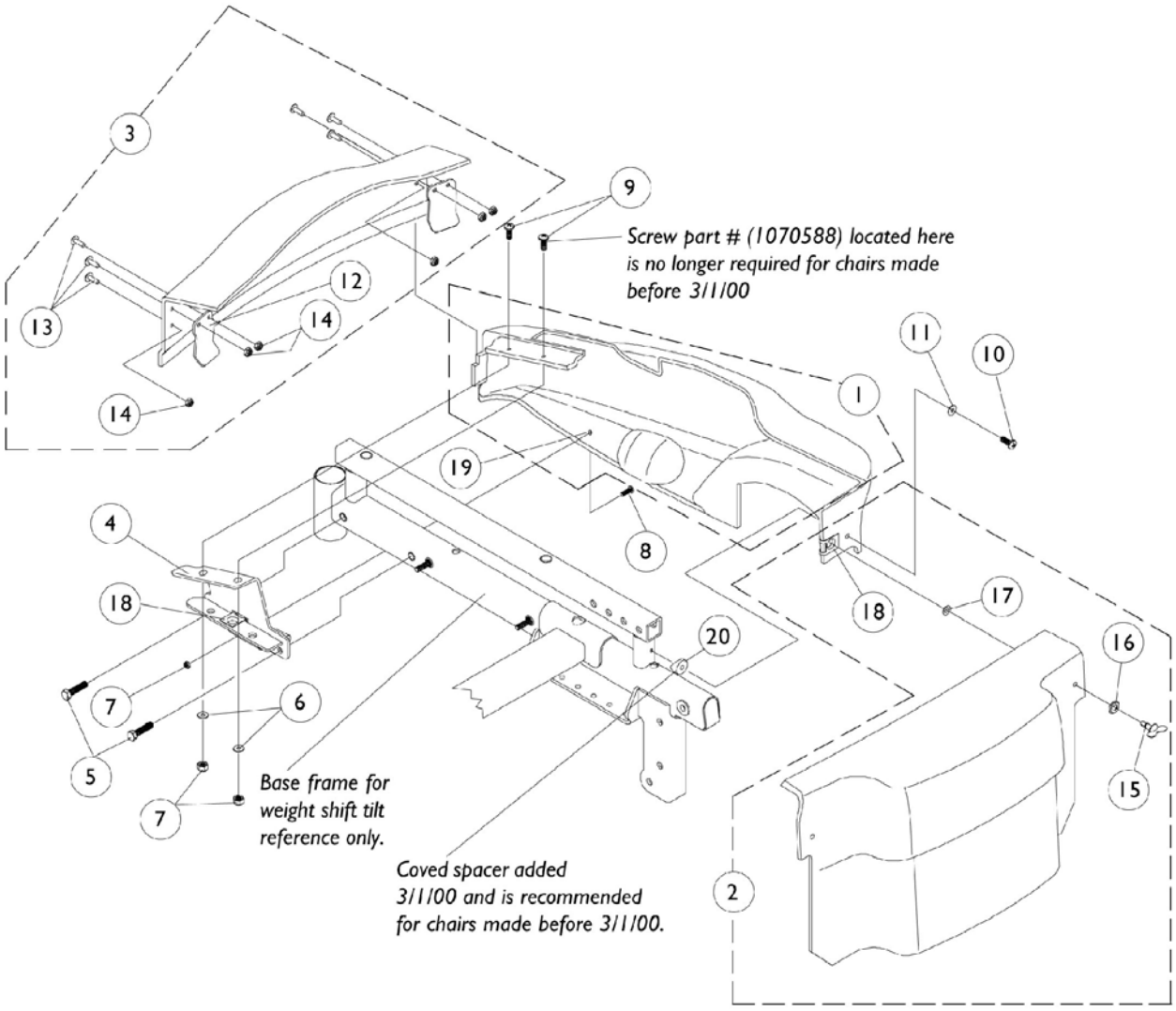
NOTE: A - Decals not included. See page titled, "Packaging, Literature and Decals."
B - Not Shown.
C - Includes items 1, 3, 8, 9, 10, 11, 12 and 13.

Shroud Covers - After 2/29/00

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1-5		See Chart	Item #'s 1-5 Shroud Covers After 2/29/00	1	1
	B	See Chart	Color Conversion Package, Captain Seat	1	1
	B	See Chart	Color Conversion Package, Sling Seat	1	1
6		1070565	Bracket, Shroud, Right	1	1
6		1070566	Bracket, Shroud, Left	1	1
7		1045267	Screw, Hex Head (1/4-20 x 3/4")	1	4
8		1028516	Washer (3/16 x 7/16 x 1/16")	1	2
9		7930332	Locknut, High Profile (#10-32)	25	1
10		1070575	Screw, Phillips Head (#10-32 x 7/8")	1	2
11		1070588	Screw, Truss Head (#10-32 x 1/2")	1	6
12		1028755	Screw, Phillips Pan Head (#10-32 x 5/8")	1	4
13		1070587	Washer, Flat (3/16 x 5/8 x 1/16")	1	4
	B,C	1070564	Side Panel Attaching Hardware	1	1
14		1070577	Plate, Trunk Clip	1	2
15		1070583	Stud, Wing Head (3/4" Long)	1	2
16		1070581	Washer, Nylon Cupped (9/32 x 19/32 x 3/32")	1	4
17		1070580	Washer, Nylon Retainer (1/4 x 1/2 x 1/32")	1	4
18		1013497	Fastener, 1/4 Turn Clip-On	1	4
19		1070574	Stud, Wing Head (1" Long)	1	2
20	A	1097290	Dual Lock Fastner/ Spacer Kit	1	1
21		1070594	Bushing, Rubber	1	2
22		1070563	Plate, Trunk	1	2
23		1070582	Rivet	1	4
24		1062096-NLA	Fastener, Loop (1/2" Wide x 1" Long)	1	4
	B	1102292	Instruction Sheet, Dual Lock Fastener/ Spacer Kit	1	1

NOTE: A - Kit includes 2 ea. dual lock fasteners (5/8" W x 2" L) and (1" W x 2" L), 4 ea. dual lock spacers and instruction sheet.
B - Not Shown.
C - Includes items 6-13.

Shroud Covers
Weight Shifting Tilt
Before 3/1/00



Shroud Covers
Weight Shifting Tilt
Before 3/1/00

Item #'s 1-3 Shroud Covers Before 3/1/00 Weight Shifting Tilt

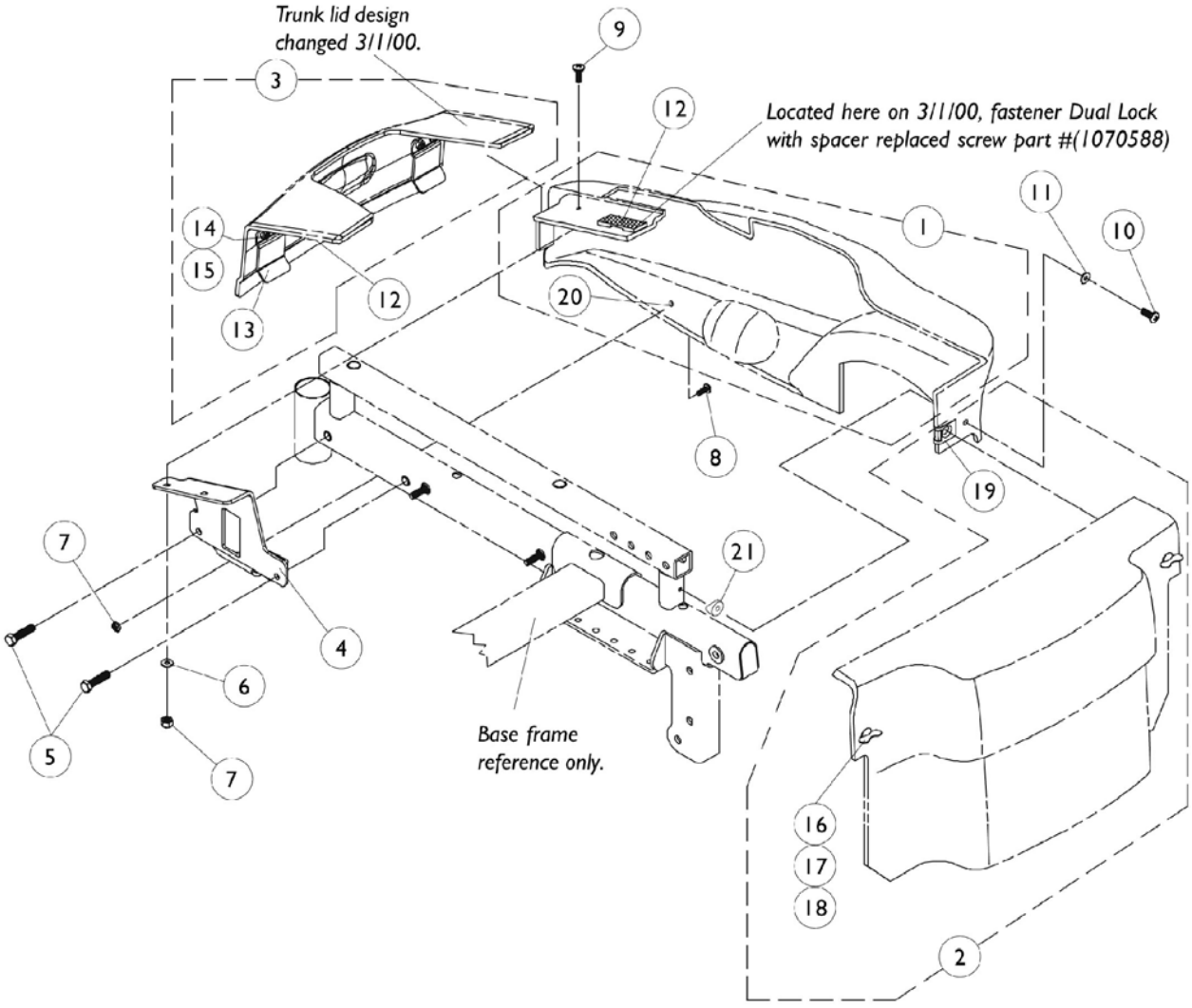
Item Number	Description	Bright Plum Metallic	Bright Blue Metallic	Blue Green Chameleon	Candy Apple Red
1	Side Panel - Right	1080685 See Note(s) A, B	1080686 See Note(s) A, B	1080687-NLA See Note(s) A, B, C	1085100-NLA See Note(s) A, B, C
1	Side Panel - Left	1080688 See Note(s) A, B	1080689 See Note(s) A, B	1080690-NLA See Note(s) A, C, B	1085101-NLA See Note(s) C, A, B
2	Battery Cover	1080694	1080695	1080696	1085103-NLA See Note(s) C
3	Trunk Lid	1080691	1080692	1080693	1085102-NLA See Note(s) C

NOTE: A - Decals not included. See page titled, "Packaging, Literature and Decals."
B - Side Panel includes Rubber Bushing.
C - Shrouds made before 3/1/00 are NLA. See shrouds made after 2/29/00 and select color conversion package.

Item Number	Note	Part Number	Description	Quantity Per Package	Quantity Per Assembly
1-3		See Chart	Item #'s 1-3 Shroud Covers Before 3/1/00 Weight Shifting Tilt	1	1
4		1079197	Bracket, Side Shroud, Right	1	1
4		1079198	Bracket, Side Shroud, Left	1	1
5		1045267	Screw, Hex Head (1/4-20 x 3/4")	1	4
6		1028516	Washer (3/16 x 7/16 x 1/16")	1	2
7		7930332	Locknut, High Profile (#10-32)	25	1
8		1070575	Screw, Phillips Head (#10-32 x 7/8")	1	2
9		1070588	Screw, Truss Head (#10-32 x 1/2")	1	2
10		1028755	Screw, Phillips Pan Head (#10-32 x 5/8")	1	2
11		1070587	Washer, Flat (3/16 x 5/8 x 1/16")	1	2
	A,B	1079196	Side Panel Attaching Hardware	1	1
12		1070577	Plate, Trunk Clip	1	2
13		1070588	Screw, Truss Head (#10-32 x 1/2")	1	6
14		7930332	Locknut, High Profile (#10-32)	25	1
15		1070583	Stud, Wing Head (3/4" Long)	1	2
16		1070581	Washer, Nylon Cupped (9/32 x 19/32 x 3/32")	1	4
17		1070580	Washer, Nylon Retainer (1/4 x 1/2 x 1/32")	1	4
18		1013497	Fastener, 1/4 Turn Clip-On	1	4
19		1070594	Bushing, Rubber	1	2
20		40157X019	Spacer, Coved (1/4 x 7/8 x 7/16")	1	2

NOTE: A - Not Shown.
B - Includes items 4-11 and 20.

Shroud Covers
Weight Shifting Tilt
After 2/29/00



Shroud Covers
Weight Shifting Tilt
After 2/29/00

Item #'s 1-3 Shroud Covers After 2/29/00 Weight Shifting Tilt

Item Number	Description	Ocean Blue	Emerald Green	Liquid Black	Candy Apple Red
1	Side Panel - Right	1102286-NLA See Note(s) A, B, C	1102287-NLA See Note(s) A, C, B	1102285-NLA See Note(s) A, B, C	1102284-NLA See Note(s) A, C, B
1	Side Panel - Left	1102290-NLA See Note(s) A, C, B	1102291-NLA See Note(s) A, B, C	1102289-NLA See Note(s) A, B, C	1102288-NLA See Note(s) A, C, B
2	Battery Cover	1094777	1094778-NLA	1094776	1094775
3	Trunk Lid	1102282-NLA See Note(s) B	1102283-NLA See Note(s) B	1102281-NLA See Note(s) B	1102280-NLA See Note(s) B

NOTE: A - Decals not included. See page titled, "Packaging, Literature and Decals."
B - Dual lock fasteners and spacers are not included with shrouds. See item 12.
C - Side Panel includes Rubber Bushing.

Color Conversion Package

Ocean Blue	Emerald Green	Liquid Black	Candy Apple Red
1096891-NLA See Note(s) A, B, C	1096892-NLA See Note(s) A, C, B	1096890-NLA See Note(s) A, B, C	1096889-NLA See Note(s) A, C, B

NOTE: A - Includes items: 1, 3, 6, 7, 8, 9, 10 and 11. See category titled, "Shroud Covers After 2/29/00 Weight Shifting Tilt."
B - Decals not included. See category titled, "Packaging, Literature and Decals."
C - Not Shown.

Shroud Covers
Weight Shifting Tilt
After 2/29/00

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1-3		See Chart	Item #'s 1-3 Shroud Covers After 2/29/00 Weight Shifting Tilt	1	1
4		1079197	Bracket, Side Shroud, Right	1	1
4		1079198	Bracket, Side Shroud, Left	1	1
5		1045267	Screw, Hex Head (1/4-20 x 3/4")	1	4
6		1028516	Washer (3/16 x 7/16 x 1/16")	1	2
7		7930332	Locknut, High Profile (#10-32)	25	1
8		1070575	Screw, Phillips Head (#10-32 x 7/8")	1	2
9		1070588	Screw, Truss Head (#10-32 x 1/2")	1	2
10		1028755	Screw, Phillips Pan Head (#10-32 x 5/8")	1	2
11		1070587	Washer, Flat (3/16 x 5/8 x 1/16")	1	2
12	A	1097290	Dual Lock Fastner/ Spacer Kit	1	1
	B,C	1079196	Side Panel Attaching Hardware	1	1
13		1070577	Plate, Trunk Clip	1	2
14		1070588	Screw, Truss Head (#10-32 x 1/2")	1	4
15		7930332	Locknut, High Profile (#10-32)	25	1
16		1070583	Stud, Wing Head (3/4" Long)	1	2
17		1070581	Washer, Nylon Cupped (9/32 x 19/32 x 3/32")	1	4
18		1070580	Washer, Nylon Retainer (1/4 x 1/2 x 1/32")	1	4
19		1013497	Fastener, 1/4 Turn Clip-On	1	4
20		1070594	Bushing, Rubber	1	2
21		40157X019	Spacer, Coved (1/4 x 7/8 x 7/16")	1	2
	B	1102292	Instruction Sheet, Dual Lock Fastener/ Spacer Kit	1	1
	B	See Chart	Color Conversion Package	1	1

NOTE: A - Kit includes 2 each dual lock fasteners (5/8" W x 2" L) and (1" W x 2" L), 4 each dual lock spacers and instruction sheet.
B - Not Shown.
C - Includes items 4-11 and 21.

Front Rigging Reference Chart

Support Assemblies

Riggings	Color-Right	Color-Left	Chrome-Right	Chrome-Left
PW93	8881070776	8881070777	N/A	N/A
PW93ST	8881070784	8881070785	N/A	N/A
PW93E	8881070768	8881070769	N/A	N/A
P93M	8881037836	8881037837	N/A	N/A
P904A	8881058646	8881058647	N/A	N/A
PAL4	N/A	N/A	1058482	1058483
NOTE: Calf pads and attaching screws not included with legrest. See page titled, "Calf Pads and Attaching Hardware."				

Pivot/ Slide Tubes with Footplates

Riggins	16" Wide-Rt.	16" Wide-Lt.	18" Wide-Rt.	18" Wide-Lt.	20" Wide-Rt.	20" Wide-Lt.
PW93 - Standard Aluminum (1650)	1074149	1074150	1074149	1074150	1074149	1074150
PW93 - Deluxe Aluminium (1450)	1074151	1074152	1074151	1074152	1074151	1074152
PW93 - Extra Large (1350)	1026395	1026396	1026395	1026396	1026395	1026396
PW93ST - Composite (1651)	1057859	1057860	1057869	1057870	1057879	1057880
PW93E - Standard Aluminum (1650)	1074149	1074150	1074149	1074150	1074149	1074150
PW93E - Deluxe Aluminium (1450)	1074151	1074152	1074151	1074152	1074151	1074152
PW93E - Extra Large (1350)	1026395	1026396	1026395	1026396	1026395	1026396
P93M - Standard Aluminum (1650)	1057969	1057970	1057969	1057970	1057969	1057970
P93M - Deluxe Aluminium (1450)	1028892	1028893	1028892	1028893	1028892	1028893

Front Rigging Reference Chart

Pivot/ Slide Tubes with Footplates

Riggins	16" Wide-Rt.	16" Wide-Lt.	18" Wide-Rt.	18" Wide-Lt.	20" Wide-Rt.	20" Wide-Lt.
P93M - Extra Large (1350)	1031924	1031925	1031924	1031925	1031924	1031925
P904A - Standard Aluminum (1650)	1058604	1058605	1058604	1058605	1058604	1058605
P904A - Deluxe Aluminium (1450)	1028723	1028724	1028723	1028724	1028723	1028724
P904A - Extra Large (1350)	1058830	1058831	1058830	1058831	1058830	1058831
PAL4A - Standard Aluminum (1650)	1023907	1023908	1023907	1023908	1023907	1023908
PAL4A - Extra Large (1350)	1035456	1035457	1035456	1035457	1035456	1035457
NOTE: Pivot/ Slide tube mounting hardware not included.						

Front Rigging Reference Chart

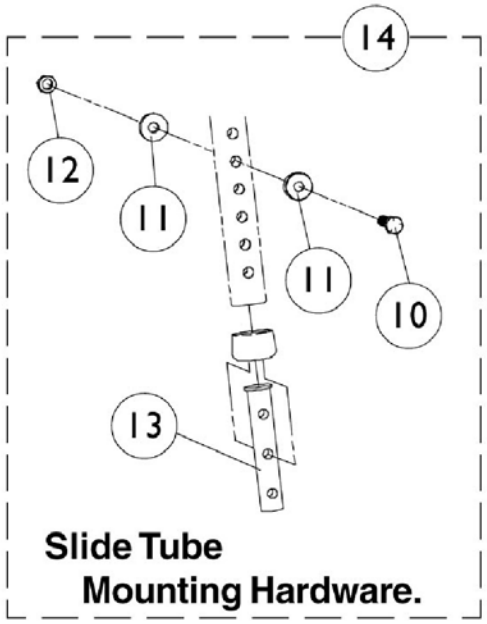
2" and 4" Longer Pivot/ Slide Tubes

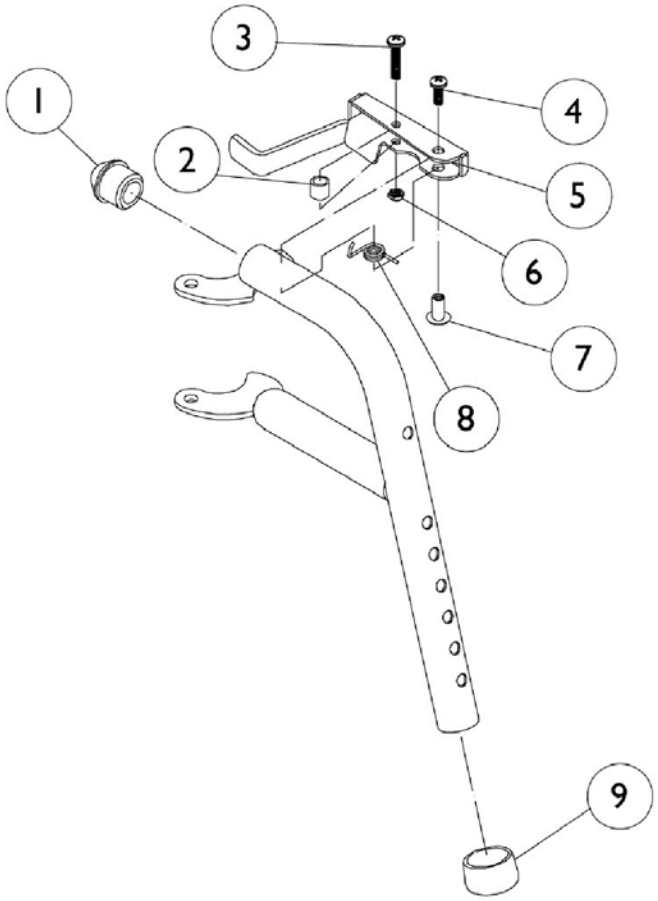
Pivot/ Slide Tubes with Footplates

Riggings	16-20" Wide-Right	16-20" Wide-Left
PW93/PW93E - Standard Aluminum - 2" Longer	1086494	1086497
PW93/PW93E - Standard Aluminum - 4" Longer	1086495	1086498
PW93/PW93E - Extra Large - 2" Longer	1086515	1086517
PW93/PW93E - Extra Large - 4" Longer	1086516	1086518
P93M - Extra Large - 2" Longer	1086519	1086523
P93M - Extra Large - 4" Longer	1086520	1086524
P904A (16-20") Standard Aluminum - 2" Longer	1086529	1086531
P904A (16-20") Standard Aluminum - 4" Longer	1086530	1086532
P904A (16-20") Extra Large - 2" Longer	1086541	1086551
P904A (16-20") Extra Large - 4" Longer	1086542	1086552

NOTE: Pivot/Slide tube mounting hardware not included.
NOTE: Footplate Codes: Standard Aluminium (1650) and Extra Large (1350).

PW93 Footrest Supports
Color



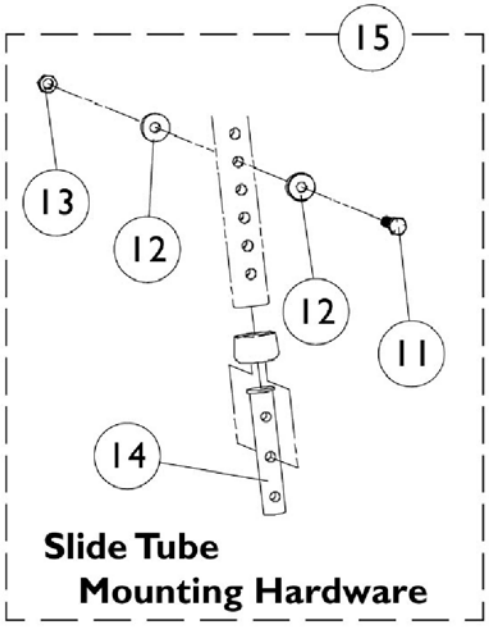


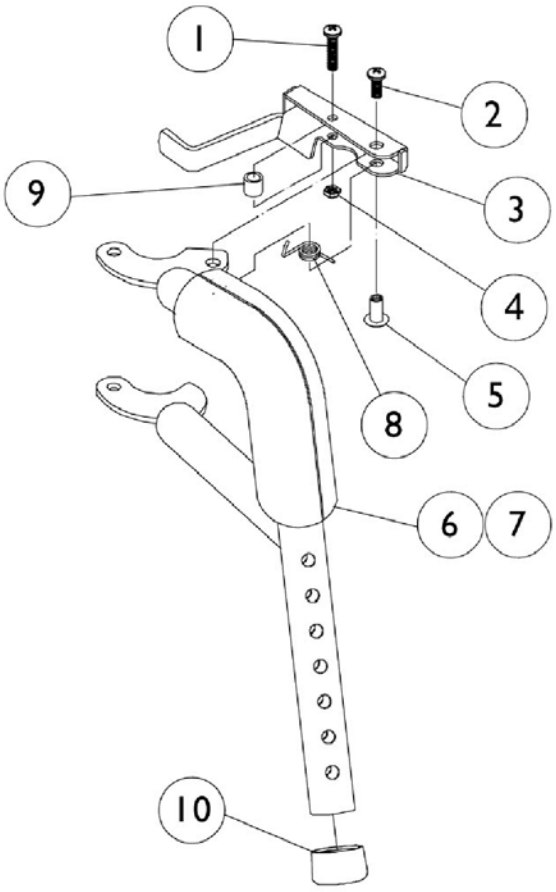
PW93 Footrest Supports
Color

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1020719	Anti-Rattle, Black	1	1
2		47565X057	Bushing (7/32 x 3/8 x 11/32")	1	1
3		7930328	Screw, Phillips Pan Head (#10-32 x 11/16")	25	1
4		7930335	Screw, Phillips Pan Head (#10-32 x 1/2")	25	1
5		1035539	Handle, Release (Black) - Right	1	1
5		1035540	Handle, Release (Black) - Left	1	1
6		7930332	Locknut, High Profile (#10-32)	25	1
7		1028846	Rivnut (#10-32)	1	1
8		1028707	Spring, Release - Right	1	1
8		1028708	Spring, Release - Left	1	1
9		15680X012	Collar, Anti-Rattle (7/8")	1	1
10		1070759	Screw, Hex Head (1/4-20 x 1-1/2")	1	1
11		1026099	Spacer, Coved (1/4 x 11/16 x 1/2")	1	2
12		7930338	Nut, Acorn (1/4-20)	25	1
13		1020534	Insert, Threaded	1	1
14		1074143	Kit, Slide Tube Mounting Hardware	1	1
	A,B	8881070776	Footrest Support Assembly, Adult, Color - Right	1	1
	A,B	8881070777	Footrest Support Assembly, Adult, Color - Left	1	1

NOTE: A - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."
B - Not Shown.

PW93ST Footrest Supports
Color



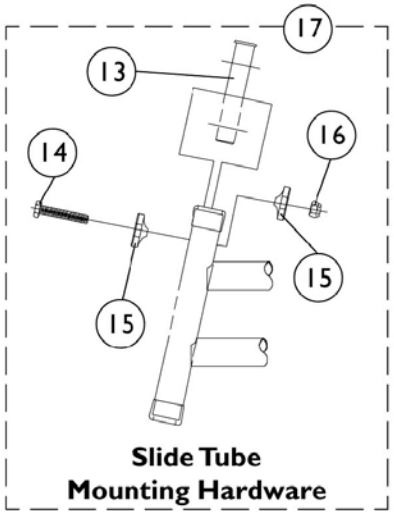


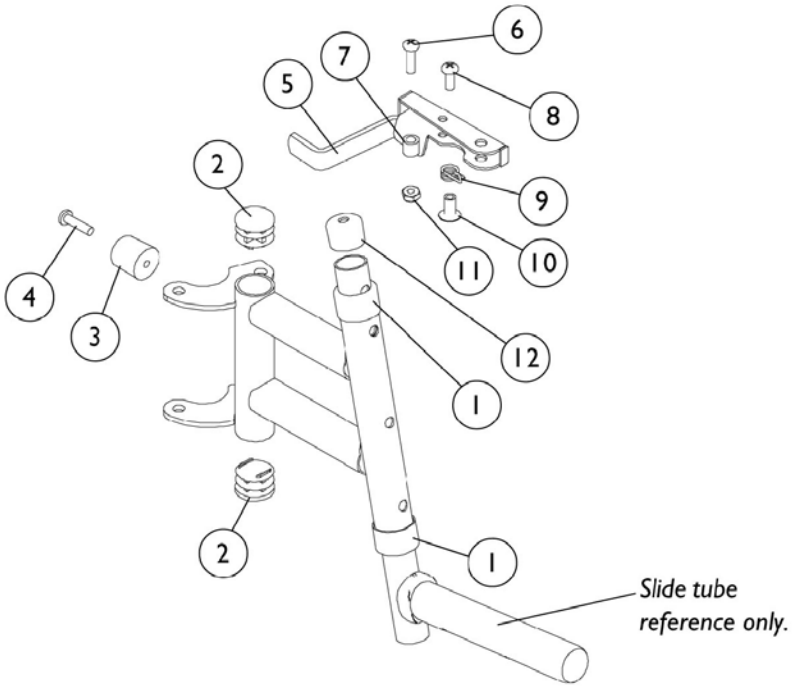
PW93ST Footrest Supports
Color

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		7930328	Screw, Phillips Pan Head (#10-32 x 11/16")	25	1
2		7930335	Screw, Phillips Pan Head (#10-32 x 1/2")	25	1
3		1035539	Handle, Release (Black) - Right	1	1
3		1035540	Handle, Release (Black) - Left	1	1
	A,B	1006490	Tip, Plastic, Black	1	1
	A,B	1026107	Screw, Phillips Pan Head (#10-32 x 1-3/8")	1	1
	A,B	1028485-NLA	Nut, Hex (#10-32)	1	1
4		7930332	Locknut, High Profile (#10-32)	25	1
5		1028846	Rivnut (#10-32)	1	1
6		1030434	Cushion, Tubular Foam	1	1
7		1030435	Cover, Foam Cushion	1	1
8		1028707	Spring, Release - Right	1	1
8		1028708	Spring, Release - Left	1	1
9		47565X057	Bushing (7/32 x 3/8 x 11/32")	1	1
10		15680X012	Collar, Anti-Rattle (7/8")	1	1
11		1070759	Screw, Hex Head (1/4-20 x 1-1/2")	1	1
12		1026099	Spacer, Coved (1/4 x 11/16 x 1/2")	1	2
13		7930338	Nut, Acorn (1/4-20)	25	1
14		1020534	Insert, Threaded	1	1
15	D	1074143	Kit, Slide Tube Mounting Hardware	1	1
	B,C	8881070784	Footrest Support Assembly, Adult, Color - Right	1	1
	B,C	8881070785	Footrest Support Assembly, Adult, Color - Left	1	1

NOTE: A - These items are only required on Release Handles for chairs built before 10/1/00.
B - Not Shown.
C - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."
D - Per Side.

PW93E Footrest Supports
Color



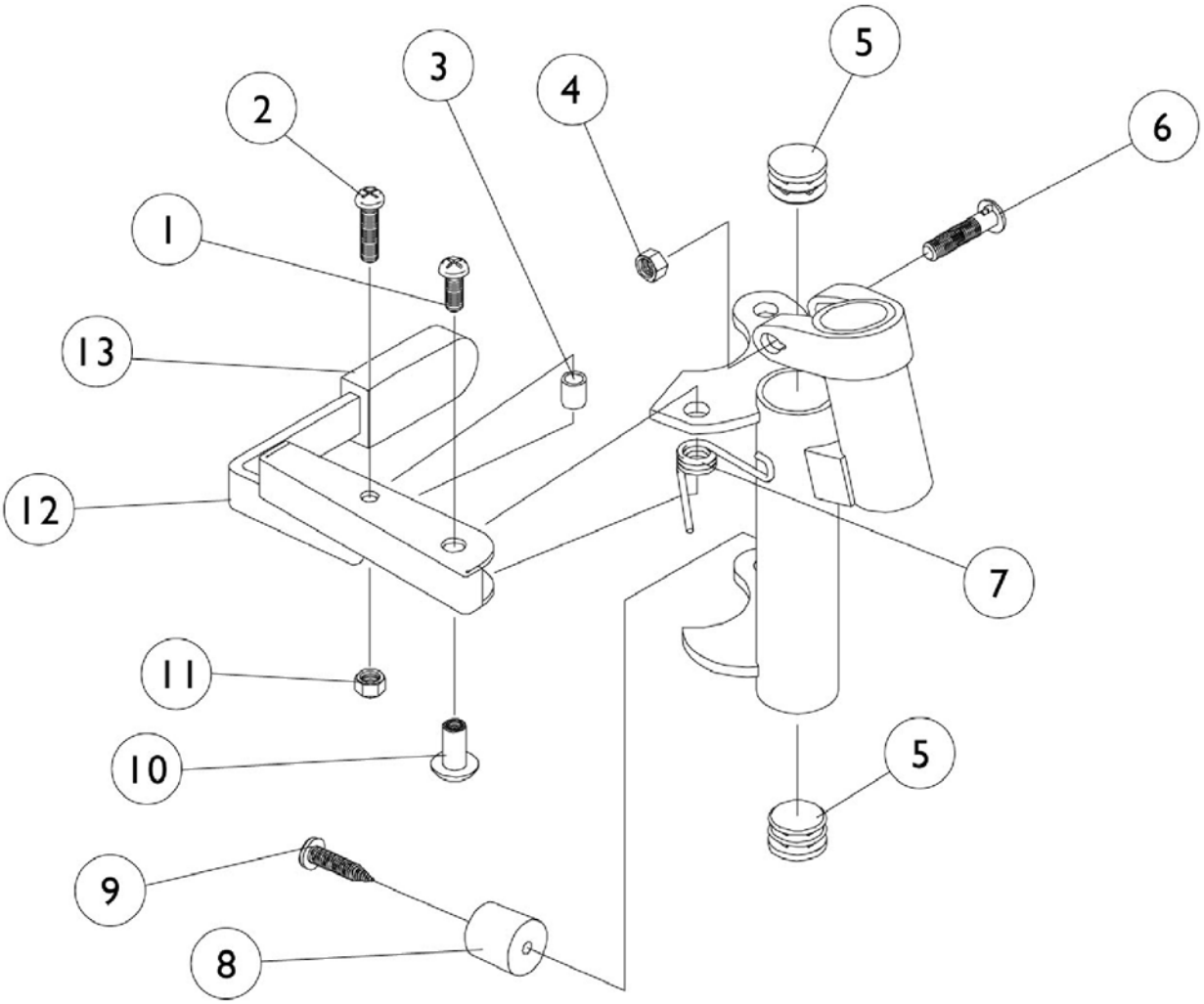


PW93E Footrest Supports
Color

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		15680X012	Collar, Anti-Rattle (7/8")	1	2
2		1027095	Plug Button, Black (7/8")	1	2
3		1022874	Bumper	1	1
4		1030979	Screw, Phillips Pan Head Tap (#10-32 x 3/4")	1	1
5		1035539	Handle, Release (Black) - Right	1	1
5		1035540	Handle, Release (Black) - Left	1	1
6		1025716	Screw, Phillips Pan Head (#10-32 x 11/16")	1	1
7		47565X057	Bushing (7/32 x 3/8 x 11/32")	1	1
8		1026114	Screw, Phillips Pan Head (#10-32 x 1/2")	1	1
9		1028707	Spring, Release - Right	1	1
9		1028708	Spring, Release - Left	1	1
10		1028846	Rivnut (#10-32)	1	1
11		1025735	Locknut (#10-32)	1	1
12		1074108	Cap, End Tube (3/4")	1	1
13		1020534	Insert, Threaded	1	1
14		1070759	Screw, Hex Head (1/4-20 x 1-1/2")	1	1
15		1026099	Spacer, Coved (1/4 x 11/16 x 1/2")	1	2
16		1044214	Nut, Hex with Nylon Cap (1/4-20)	1	1
17		1074143	Kit, Slide Tube Mounting Hardware	1	1
	A,B	8881070768	Footrest Support Assembly, Adult, Color - Right	1	1
	A,B	8881070769	Footrest Support Assembly, Adult, Color - Left	1	1

NOTE: A - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."
B - Not Shown.

P93M Footrest Supports
Color

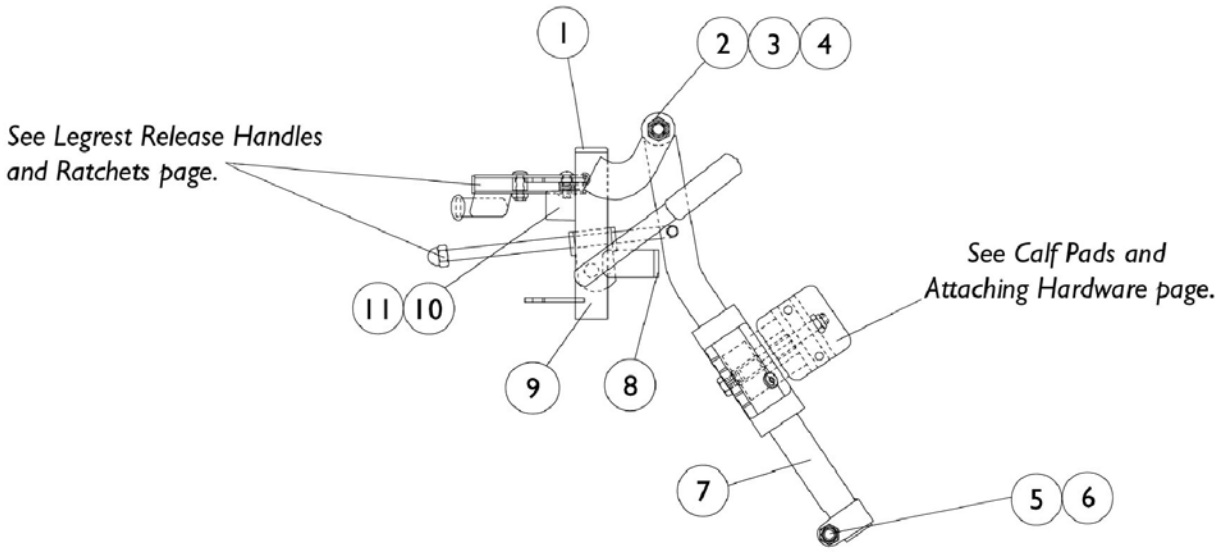


P93M Footrest Supports
Color

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		7930359	Screw, Phillips Pan Head (#10-32 x 1/2")	25	1
2		7930360	Screw, Phillips Pan Head (#10-32 x 11/16")	25	1
3		47565X057	Bushing (7/32 x 3/8 x 11/32")	1	1
4		1107321	Nut, Low Cap (5/16"-24)	1	1
5		1027095	Plug Button, Black (7/8")	2	1
6		11232X009	Screw, Lug (5/16-24 x 1-3/8")	1	1
7		1008935	Spring, Release - Right	1	1
7		1008936	Spring, Release - Left	1	1
8		1022874	Bumper	1	1
9		1030979	Screw, Phillips Pan Head Tap (#10-32 x 3/4")	1	1
10		67005X000	Rivnut (#10-32)	1	1
11		7930365	Locknut (#10-32)	25	1
12		1035539	Handle, Release (Black) - Right	1	1
12		1035540	Handle, Release (Black) - Left	1	1
13	C	1006490	Tip, Plastic, Black	1	1
	A,B	8881037836	Footrest Support Assembly, Adult, Color - Right	1	1
	A,B	8881037837	Footrest Support Assembly, Adult, Color - Left	1	1

NOTE: A - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."
B - Not Shown.
C - Before 10/1/00.

P904A Legrest Supports
Color

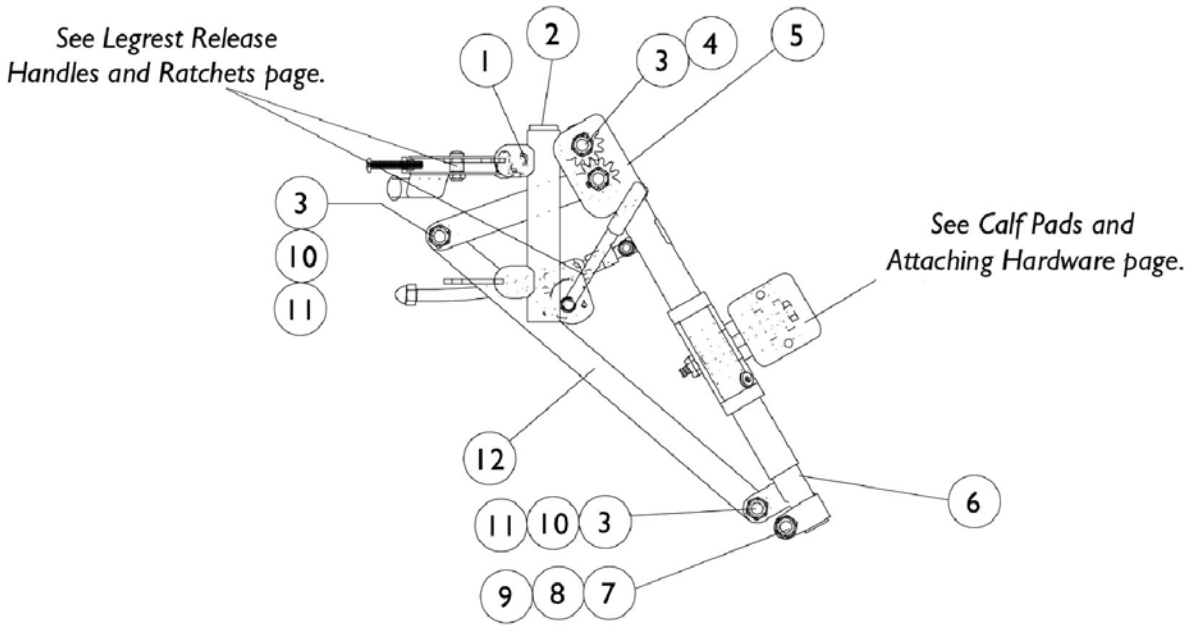


P904A Legrest Supports
Color

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1027095	Plug Button, Black (7/8")	1	1
2		11919X000	Screw, Truss Head (3/8-16 x 1-1/2")	1	1
3		1058636	Washer, Nylon (25/64 x 7/8 x 1/32")	1	2
4		40363X000	Hex Nut (3/8"-16)	1	1
5		7930330	Locknut (5/16-24)	25	1
6		1026030	Screw, Lug (5/16-24 x 1-3/8")	1	1
7	A	8881048851	Tube, Elevating Support (Color) - Right	1	1
7	A	8881048852	Tube, Elevating Support (Color) - Left	1	1
8		1027097	Plug Button, Black (3/4")	1	1
9	A	8881058664	Tube, Legrest Support (Color) - Right	1	1
9	A	8881058665	Tube, Legrest Support (Color) - Left	1	1
10		1022874	Bumper	1	1
11		1030979	Screw, Phillips Pan Head Tap (#10-32 x 3/4")	1	1
	A,B	8881058646	Legrest Support Assembly w/o Pad, Adult, Color - Right	1	1
	A,B	8881058647	Legrest Support Assembly w/o Pad, Adult, Color - Left	1	1

NOTE: A - Specify frame color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."
B - Not Shown.

PAL4A Articulating Legrest Supports
Chrome

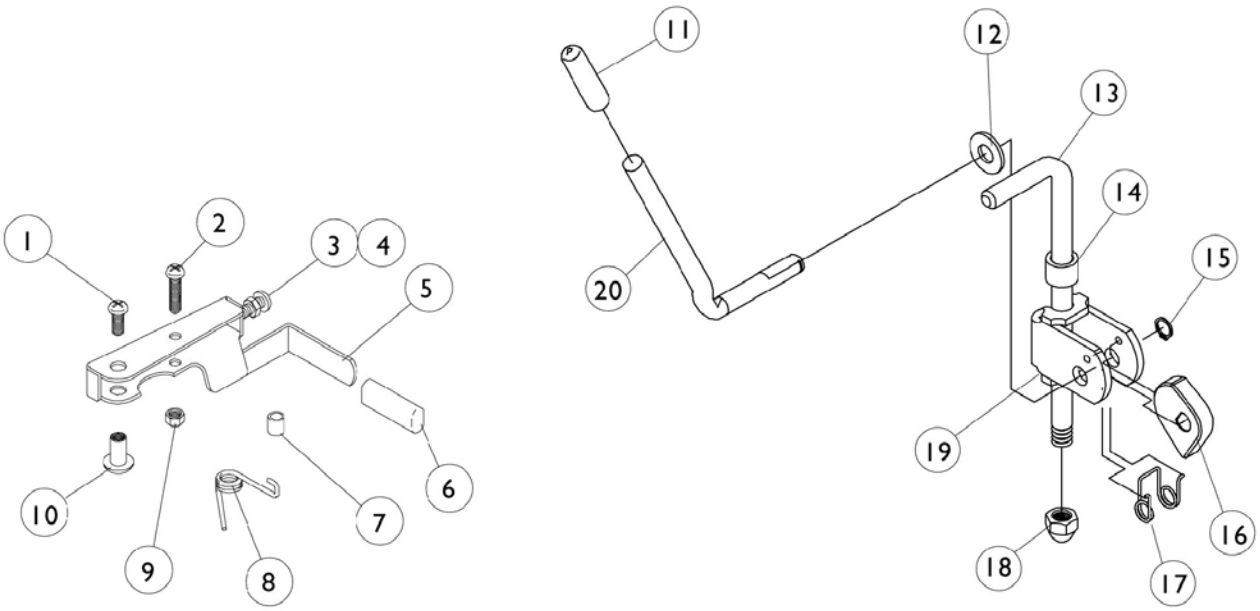


PAL4A Articulating Legrest Supports
Chrome

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1058478	Tube, Legrest Support, Right	1	1
1		1058479	Tube, Legrest Support, Left	1	1
2		1027097	Plug Button, Black (3/4")	1	1
3		40363X000	Hex Nut (3/8"-16)	1	3
4		1022854	Screw, Slotted Head Shoulder (1/2 x 1-1/8")	1	1
5		1022877	Tube Support and Drive Link - Right	1	1
5		1022878	Tube Support and Drive Link - Left	1	1
6		1022848	Slide Tube, Articulating (Chrome) - Right	1	1
6		1022849	Slide Tube, Articulating (Chrome) - Left	1	1
7		1027377	Washer (#20)	1	1
8		7930363	Package, Locknut (5/16"-24)	25	1
9		11232X009	Screw, Lug (5/16-24 x 1-3/8")	1	1
10		1022866	Screw, Socket Button Head (3/8-16 x 3/4")	1	2
11		1049527	Washer, Nylon (3/8 x 3/4 x 1/16")	1	2
12		1022846	Bar, Link, Chrome	1	1
	A	1058482	Legrest Support, Articulating (Chrome) - Right	1	1
	A	1058483	Legrest Support, Articulating (Chrome) - Left	1	1

NOTE: A - Not Shown.

Legrest Release Handles and Ratchets

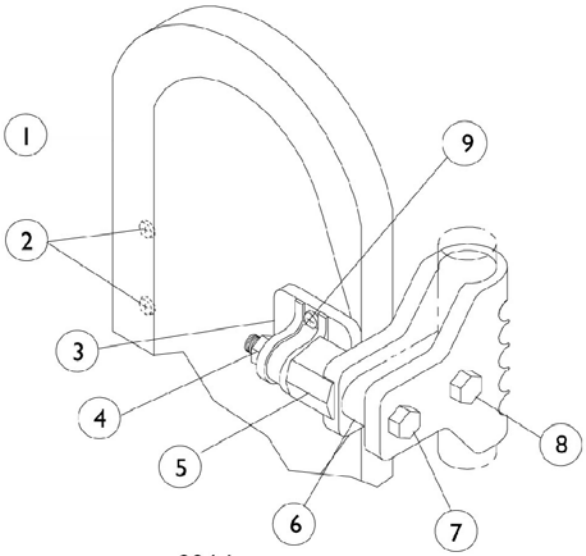


Legrest Release Handles and Ratchets

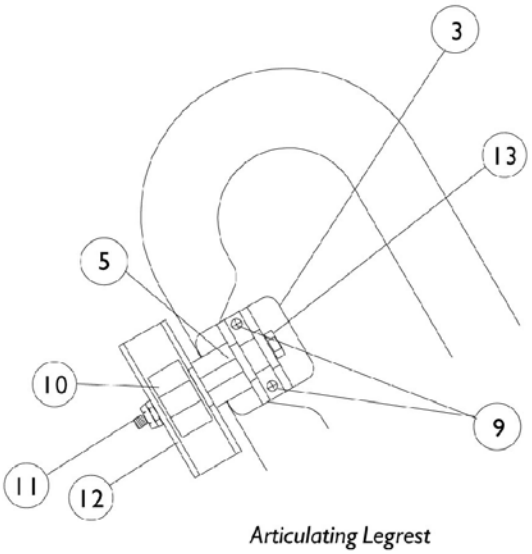
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		7930328	Screw, Phillips Pan Head (#10-32 x 11/16")	25	1
2		7930335	Screw, Phillips Pan Head (#10-32 x 1/2")	25	1
3	A	1026107	Screw, Phillips Pan Head (#10-32 x 1-3/8")	1	1
4	A	1028485-NLA	Nut, Hex (#10-32)	1	1
5		1035539	Handle, Release (Black) - Right	1	1
5		1035540	Handle, Release (Black) - Left	1	1
6	A	1006490	Tip, Plastic, Black	1	1
7		47565X057	Bushing (7/32 x 3/8 x 11/32")	1	1
8		1028707	Spring, Release - Right	1	1
8		1028708	Spring, Release - Left	1	1
9		7930332	Locknut, High Profile (#10-32)	25	1
10		1028846	Rivnut (#10-32)	1	1
11		1040060	Tip, Black Plastic	1	1
12		7930310	Washer, Nylon (5/16 x 11/16 x 1/16")	25	1
13	B	42326X004	Bar, Ratchet - Right/Left	1	1
13	C	1023811	Bar, Ratchet - Right	1	1
13	C	1023812	Bar, Ratchet - Left	1	1
14		47330X003	Spacer (5/16 x 1/2 x 3/8")	1	2
15		1040831	Snap Ring	1	1
16		1037125	Cam, Legrest	1	1
17		1037485	Spring, Release	1	1
18		7930336	Nut, Acorn (5/16-24)	25	1
19		04528X002	Bracket, Release (Chrome)	1	1
20		1037126	Handle, Release	1	1

NOTE: A - These items are only required on Release Handles for chairs built before 10/1/00.
B - 904 Legrest.
C - Articulating Legrest.

Calf Pads and Attaching Hardware



904 Legrest



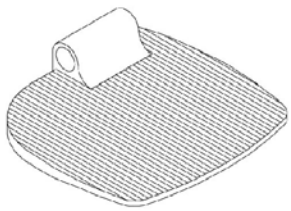
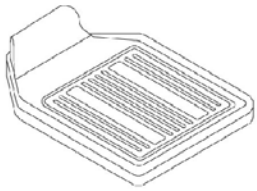
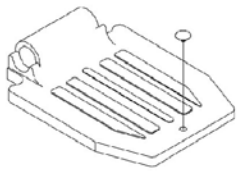
Articulating Legrest

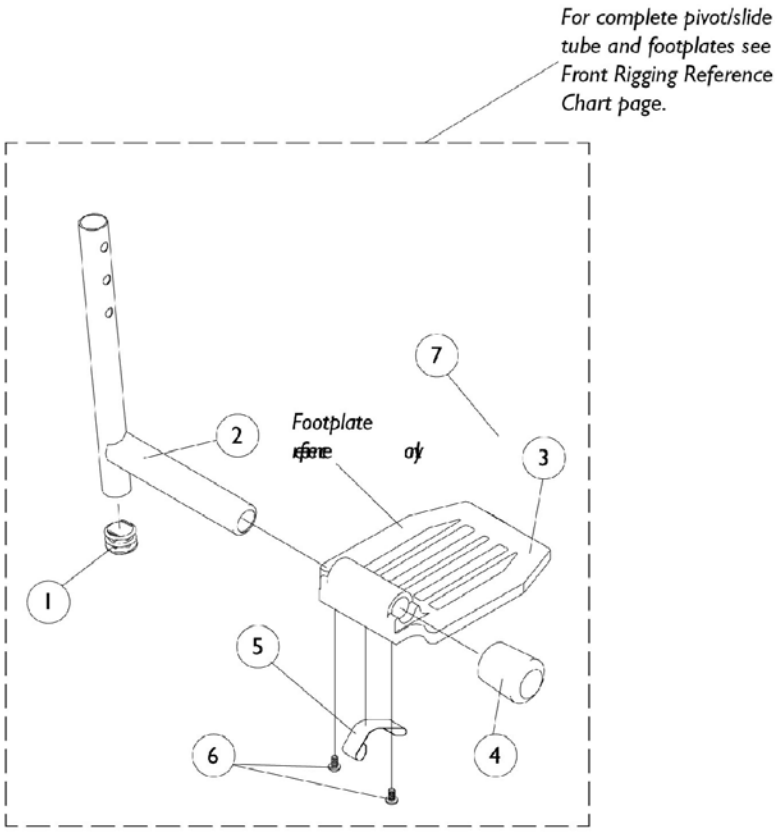
Calf Pads and Attaching Hardware

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A,B	1091767-NLA	Pad with Screws, Legrest (Pair)	2	1
1	A,C	8881091764	Pad, Legrest Vinyl - Right/Left	1	1
1		01415X000-NLA	Cover, Legrest Pad	1	1
2		40163X006	Screw, Phillips Pan Head (#10-14 x 1/16")	1	1
3		04526X019	Plate, Legrest Pad	1	1
4		7930330	Locknut (5/16-24)	25	1
5		1025133	Spacer, Legrest Pad	1	1
6		1032267	Spacer, Legrest Pad Mounting	1	1
7		1037110	Screw, Hex Head (5/16-24 x 3-1/2")	1	1
8		1028514	Screw, Hex Head (5/16-24 x 1-1/2")	1	1
9		1066591	Screws, Phillips Head (#10-32 x 11/16")	2	1
10		48823X008	Spring, Leaf	1	1
11		7930363	Package, Locknut (5/16"-24)	25	1
12		1025104	Bracket, Legrest (Chrome)	1	1
13		1014807	Screw, Hex Head (5/16-24 x 3-1/4")	1	1

NOTE: A - Specify upholstery color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."
B - Before 9/5/00 (Pair).
C - After 9/4/00 (Single).

Pivot/ Slide Tube and Standard Aluminum, 1450, 1350 Footplates

		
1350 Extra large	1450 Deluxe Aluminum	16" to 20" W Standard Aluminum



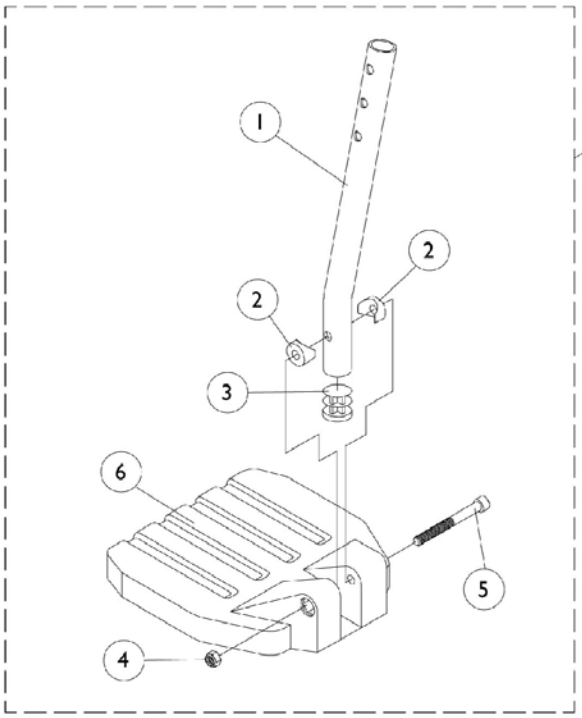
Pivot/ Slide Tube and Standard Aluminum, 1450, 1350 Footplates

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1027097	Plug Button, Black (3/4")	1	1
2	A,B	1048834	Pivot/Slide Tube with Plug Button	1	1
2	A,B	1098906	Pivot/Slide Tube with Plug Button - 2" Longer	1	1
2	A,B	1086482	Pivot/Slide Tube with Plug Button - 4" Longer	1	1
2	A,C	1100568	Pivot/Slide Tube with Plug Button (Black)	1	1
2	A,C	1100569	Pivot/Slide Tube with Plug Button Extra Large and Standard Aluminium - 2" Longer	1	1
2	A,C	1100570	Pivot/Slide Tube with Plug Button - 4" Longer	1	1
2	A,D	1041526	Pivot/Slide Tube with Plug Button (Steel)	1	1
2	A,E	1041527	Pivot/Slide Tube with Plug Button (Black)	1	1
2	B,F	1048834	Pivot/Slide Tube with Plug Button	1	1
2	B,F	1098906	Pivot/Slide Tube with Plug Button - 2" Longer	1	1
2	B,F	1086482	Pivot/Slide Tube with Plug Button - 4" Longer	1	1
2	C,F	1100568	Pivot/Slide Tube with Plug Button (Black)	1	1
2	C,F	1100569	Pivot/Slide Tube with Plug Button Extra Large and Standard Aluminium - 2" Longer	1	1
2	C,F	1100570	Pivot/Slide Tube with Plug Button - 4" Longer	1	1
2	D,F	1041526	Pivot/Slide Tube with Plug Button (Steel)	1	1
2	E,F	1041527	Pivot/Slide Tube with Plug Button (Black)	1	1
2	E,F	1086479	Pivot Slide Tube with Plug Button, 2" Longer (Black)	1	1
2	E,F	1086480	Pivot Slide Tube with Plug Button, 4" Longer (Black)	1	1
2	B,G	1070762	Pivot/Slide Tube with Plug Button, Deluxe Aluminum	1	1
2	C,G	1100571	Pivot/Slide Tube with Plug Button - Deluxe	1	1
2	E,G	1041525	Pivot/Slide Tube with Plug Button - Deluxe Aluminum	1	1
3	A	44200X027	Footplate, Aluminum - Medium (7-3/4" W x 6" L)	1	1
3	G	1043659	Footplate, Aluminum - Deluxe (8" W x 5-3/4" L) - Right	1	1
3	G	1043660	Footplate, Aluminum - Deluxe (8" W x 5-3/4" L) - Left	1	1
3	F	44200X025	Footplate, Aluminum - Extra Large (8" W x 8-1/2" L) - Right	1	1
3	F	44200X026	Footplate, Aluminum - Extra Large (8" W x 8-1/2" L) - Left	1	1
4	A	1016346	Cap, Tube End (7/8")	1	1
4	F	1027095	Plug Button, Black (7/8")	1	1
5	A,H	1006981	Spring, Leaf	1	2
5	G,H	1036120	Spring	1	2
5	F	1036123	Spring, Leaf	1	1
6	I	7930354	Package, Phillips Head Screw (#8-32 x 3/8")	25	1
7		1070168	Push Plug, Footplate	1	1

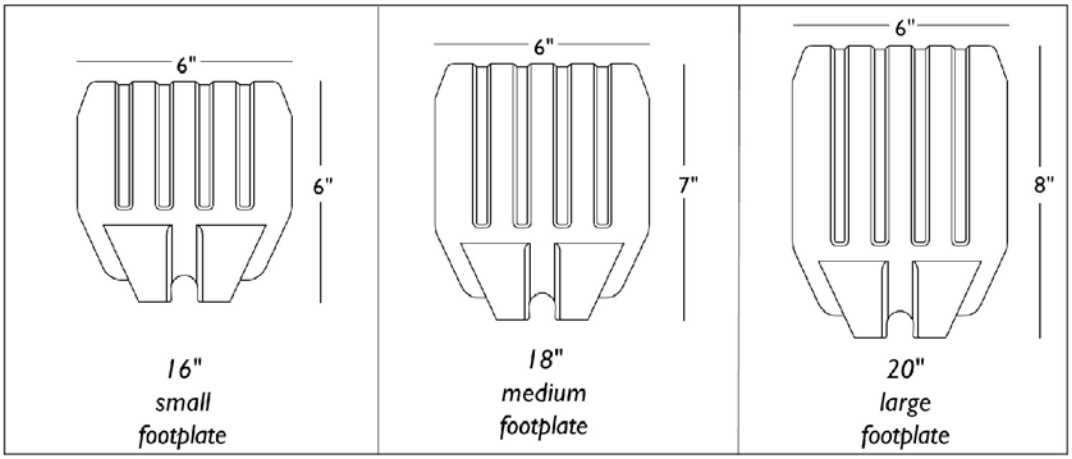
Pivot/ Slide Tube and Standard Aluminum, 1450, 1350 Footplates

NOTE:
A - Standard Aluminium Footplate.
B - PW93 and PW93E.
C - P904.
D - PAL4.
E - P93M.
F - Extra Large Aluminium Footplates.
G - Deluxe Aluminium Footplates.
H - Takes 2 Per Side.
I - Deluxe Takes 1 Per Side.

Pivot/ Slide Tube and Composite Footplates



For complete pivot/slide tube and footplates see Front Riggings Reference Chart page.

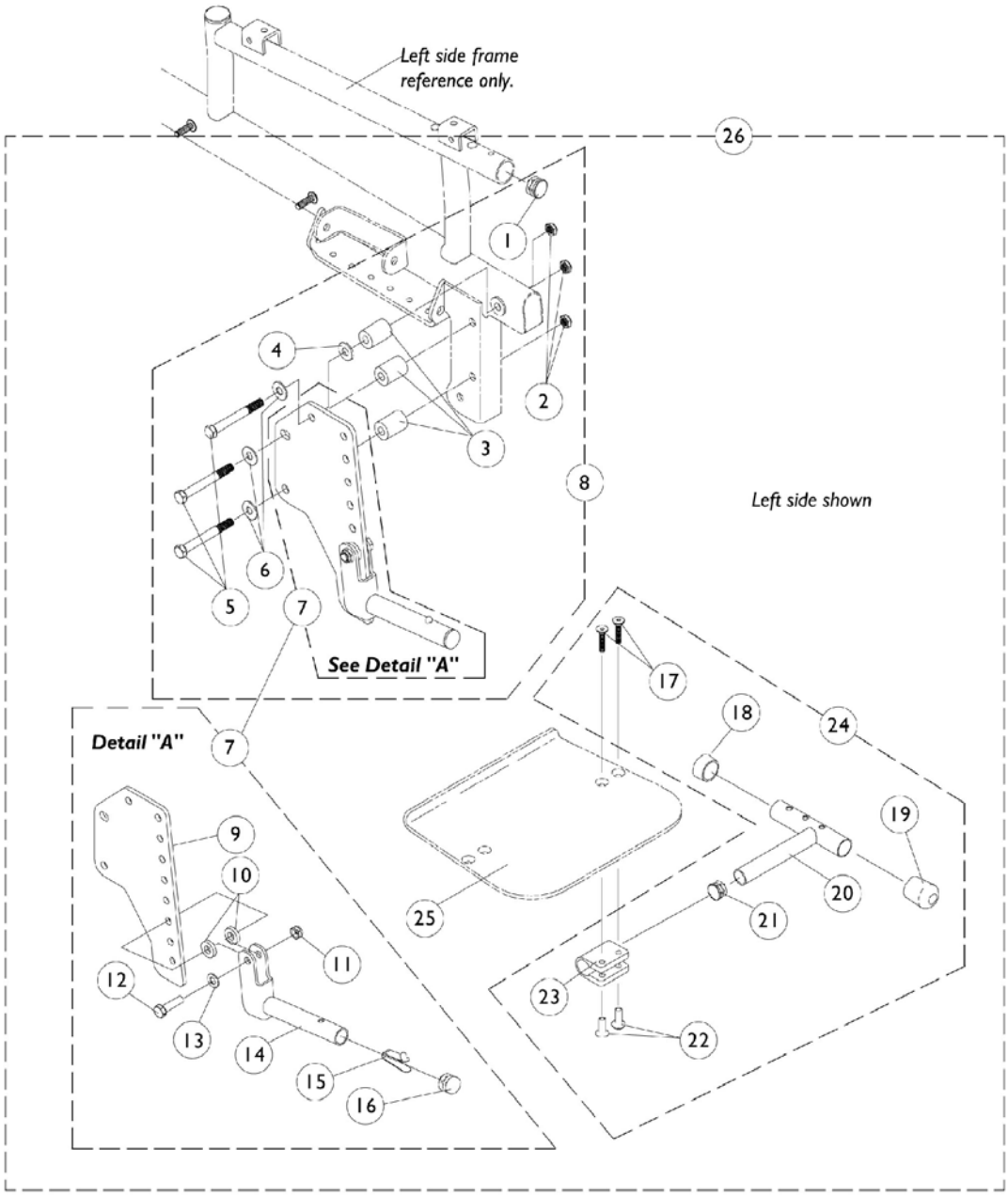


Pivot/ Slide Tube and Composite Footplates

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1057852	Pivot/Slide Tube, Curved End (9-7/8") (Steel)	1	1
2		1025457	Spacer, Coved (1/4 x 3/4 x 11/32")	1	2
3		1027097	Plug Button, Black (3/4")	1	1
4		7930323	Package, Locknut (1/4-20)	25	1
5		7930366	Screw, Socket Head Cap (1/4-20 x 2-1/4")	25	1
6	A	1026879	Footplate, Composite - Small (6" W x 6" L)	1	1
6	B	1026880	Footplate, Composite - Medium (7" W x 6" L)	1	1
6	C	1026881	Footplate, Composite - Large (8" W x 6" L)	1	1

NOTE: A - 16" Wide.
B - 18" Wide.
C - 20" Wide.

Adjustable Flip-Up Removable Footboard - Before 3/1/2000
90FBI (Sling Seat) and 90FB (Captain Seat)



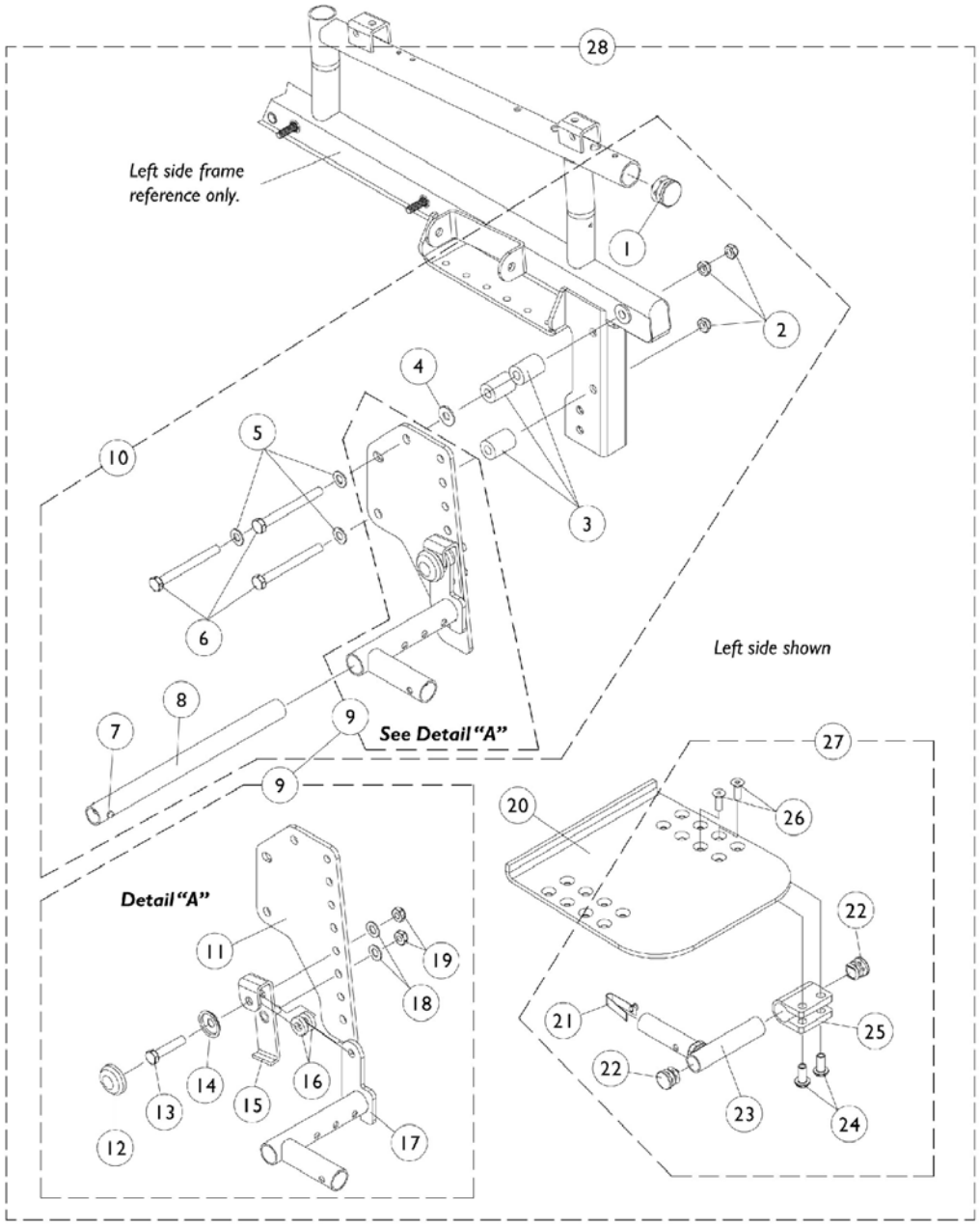
Adjustable Flip-Up Removable Footboard - Before 3/1/2000
90FBI (Sling Seat) and 90FB (Captain Seat)

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1029501	Plug Button, Black (1")	1	2
2		7930330	Locknut (5/16-24)	25	1
3		1074138	Spacer (5/16 x 3/4 x 1")	1	6
4		1074133	Washer (5/16 x 3/4 x 1/16")	1	2
5		1028600	Screw, Hex Head (5/16-24 x 3")	1	6
6		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	6
7	H	1074154-NLA	Footboard Pivot Assembly, Right	1	1
7	H	1074155-NLA	Footboard Pivot Assembly, Left	1	1
8	I	1074132-NLA	Footboard Mounting Hardware (Pair)	2	1
9		1074136	Bracket, Mounting	1	1
10		1074210	Washer, Nylon (23/64 x 3/4 x 5/32")	1	2
11		7930330	Locknut (5/16-24)	25	1
12		1070552-NLA	Screw, Hex Head (5/16-24 x 1-1/8)	1	1
13		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	1
14		1074130	Pivot Tube	1	1
15		40188X009	Button, Single Snap	1	1
16		1027097	Plug Button, Black (3/4")	1	1
17	A	1029545	Screw, Socket Head Cap (1/4-20 x 3/4")	1	2
18		15680X012	Collar, Anti-Rattle (7/8")	1	1
19		1016346	Cap, Tube End (7/8")	1	1
20		1074137	Footplate Support Tube, Black	1	1
21		1027097	Plug Button, Black (3/4")	1	1
22	A	1082686	Nut, Hex Head (1/4-20 x 11/16")	1	2
23	A	1058517	Clamp, Footplate	1	1
24	J	1074131	Footboard Assembly Hardware (Per Side)	1	2
25	C	1074129-NLA	Footboard	1	1
26	B,F	1078192-NLA	Footboard Assembly Kit w/ Instruction Sheet	1	1
	G,K	1078193	Instruction Sheet, Footboard Assembly	1	1
	E,G	1094635	Footboard Assembly Conversion Kit w/Instruction Sheet - 16" Wide Chairs	1	1
	D,E,G, L	1094636	Footboard Assembly Conversion Kit w/Instruction Sheet - 18" Wide Chairs (Including 22" W Captain Seats)	1	1
	E,G	1094637	Footboard Assembly Conversion Kit w/Instruction Sheet - 20" Wide Chairs	1	1

Adjustable Flip-Up Removable Footboard - Before 3/1/2000
90FBI (Sling Seat) and 90FB (Captain Seat)

NOTE:
A - Items 17, 22 and 23 must be ordered together for chairs made before 8/10/99 due to a hardware change.
B - Footboard assembly kit before 3/1/00 is NLA. New style footboard assembly must be ordered. Refer to conversion kits listed on this page.
C - Footboard before 3/1/00 is NLA.
D - All Captain seats will use footboards for 18" wide chairs.
E - Footboard assembly conversion kits for chairs made before 3/1/00.
F - Includes items 1-25.
G - Not Shown.
H - Includes items 9-16.
I - Includes items 1-7.
J - Inlcudes items 17-23.
K - Before 3/1/2000.
L - Includes items 9, 19, 26 and Instruction Sheet.

Adjustable Flip-Up Removable Footboard - After 2/29/2000
90FBI (Sling Seat) and 90FB (Captain Seat)



Adjustable Flip-Up Removable Footboard - After 2/29/2000
90FBI (Sling Seat) and 90FB (Captain Seat)

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1029501	Plug Button, Black (1")	1	2
2		7930330	Locknut (5/16-24)	25	1
3		1074138	Spacer (5/16 x 3/4 x 1")	1	6
4		1074133	Washer (5/16 x 3/4 x 1/16")	1	2
5		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	6
6		1028600	Screw, Hex Head (5/16-24 x 3")	1	6
7		40188X007	Button, Spring Double	1	1
8		1095124	Support Tube w/ Spring Assembly	1	1
9	C	1094626	Footboard Pivot Assembly, Right	1	1
9	C	1094627	Footboard Pivot Assembly, Left	1	1
10	D	1094628	Footboard Mounting Hardware Assembly (Pair)	1	1
11		1074136	Bracket, Mounting	1	1
12		1016291	Hub Cap, Black	1	1
13		1070398	Screw, Hex Head (5/16-18 x 1-1/2")	1	1
14		1028491	Washer, Caplugs (11/32" I.D. x 1" O.D.)	1	1
15		1094632	Bracket, Stop Pivot Support	1	1
16		1074210	Washer, Nylon (23/64 x 3/4 x 5/32")	1	2
17		1094614	Bracket, Footboard Receiving, Right	1	1
17		1094615	Bracket, Footboard Receiving, Left	1	1
18		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	2
19		1028769	Locknut (5/16-18)	1	2
20		1097175	Footboard, Black - 16" Wide Chairs	1	1
20	A	1094613	Footboard, Black - 18" Wide Chairs	1	1
20		1094634	Footboard, Black - 20" Wide Chairs	1	1
21		40188X009	Button, Single Snap	1	2
22		1027097	Plug Button, Black (3/4")	1	4
23		1094611	Support Tube w/ Snap Button	1	2
24		1082686	Nut, Hex Head (1/4-20 x 11/16")	1	4
25		1058517	Clamp, Footplate	1	2
26		1029545	Screw, Socket Head Cap (1/4-20 x 3/4")	1	4
27	E	1094629	Hardware, Footboard (Pair)	2	1
28	F	1094635	Footboard Assembly Conversion Kit w/Instruction Sheet - 16" Wide Chairs	1	1
28	A,F,G	1094636	Footboard Assembly Conversion Kit w/Instruction Sheet - 18" Wide Chairs (Including 22" W Captain Seats)	1	1
28	F	1094637	Footboard Assembly Conversion Kit w/Instruction Sheet - 20" Wide Chairs	1	1
	B	1095125	Instruction Sheet, Footboard Assembly	1	1

Adjustable Flip-Up Removable Footboard - After 2/29/2000
90FBI (Sling Seat) and 90FB (Captain Seat)

NOTE:
A - All Captain seats will use footboards for 18" wide chairs.
B - Not Shown.
C - Includes items 11-19.
D - Includes items 1-6, 8 and 9.
E - Inlcudes items 21-26 (pair).
F - Includes items 10, 20 and 27.
G - Including 22" Wide Captain Seats.

Footrest and Legrest Accessories

Heel Loops and Attaching Hardware

Footplate Type	Heel Loop Single #	Heel Loop Pair #	Heel Loop w/ Ankle Strap Single # Rt.	Heel Loop w/ Ankle Strap Single # Lt.	Heel Loop w/ Ankle Strap Pair #	Attaching Hardware Pair #
Composite (1651) Small 16" Wide Tapered	1028412	1035912	1035908	1035909	1035906	1035931
Composite (1651) Medium 16" Wide (18" Wide Tapered)	1017621	1035917	1035919	1035920	1035906	1035931
Composite (1651) Large 18-20" Wide (20" Wide Tapered)	1017621	1035917	1035932	1035933	1035930	1035931
Standard Aluminum (1650) 16-20" Wide	1017621	1035917	1035919	1035920	1035918	1035907
Deluxe Aluminum (1450) 16-20" Wide	1017621	1035917	1035919	1035920	1035918	1086112
Extra Large Aluminum (1350) 16-20" Wide	1017621	1035917	1035919	1035920	1035918	1055241

Heel Loop Attaching Hardware

Part Number
1035931
Package Consists Of: 2 ea. Screw (PPH (1/4-20 x 2-1/4") 2 ea. Spacer (1/4 x 11/32 x 1-3/4") 2 ea. Locknut (1/4-20)
1055241
Package Consists Of: 2 ea. Screw (PPH (1/4-20 x 2-1/4") 2 ea. Spacer (1/4 x 11/32 x 1-3/4") 2 ea. Locknut (1/4-20)

Footrest and Legrest Accessories

Toe Loops

Toe Loops (1345)	Toe Loop Single #	Toe Loop Pair #	Attaching Hardware Pair #
All Sizes	04572X025	1037087	1037089

Footrest and Legrest Accessories

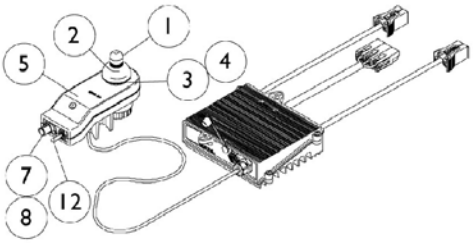
Toe Loop Attaching Hardware

Part Number
1037089
Package Consists of: 2 ea. Screw, PPH (10-32 x 7/8") 2 ea. Washer (1/4 x 3/4 x 3/32") 2 ea. Locknut (10-32)

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
		1026987	Impact Guard, 8" Long	1	1
		1034206	Non-Removable Device (1820)	2	1
		1032002	"H" Heel Strap	1	1
		1035902	Calf Strap w/ Hook and Loop (31" Long)	1	1
	A,B,C	8881006725	Legrest Panel	1	1
	A,B,D	8881006726	Legrest Panel	1	1
	A,B,E	8881006727	Legrest Panel	1	1
	A,C,F	8881035816	Legrest Panel	1	1
	A,D,F	8881035817	Legrest Panel	1	1
	A,E,F	8881035818	Legrest Panel	1	1
	G	See Chart	Heel Loops and Attaching Hardware	1	1
	G	See Chart	Heel Loop Attaching Hardware	1	1
	G	See Chart	Toe Loops and Attaching Hardware	1	1
	G	See Chart	Toe Loop Attaching Hardware	1	1

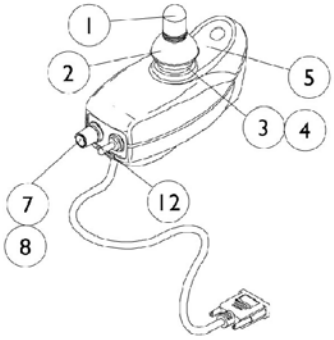
NOTE: A - Specify color when ordering. See page titled, "Frame Finishes, Touch-Up Paint and Upholstery Options."
B - PW93E.
C - 16" Wide.
D - 18" Wide.
E - 20" Wide.
F - P904A and PAL4A.
G - Not Shown.

MKIV Joysticks
RII, RX, A, A+, TCHJOY

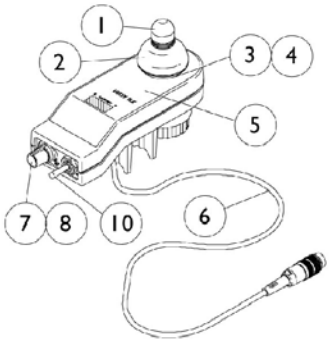


✪ ~~1080723~~NLA
RII Joystick/Controller
Before 5/1/00

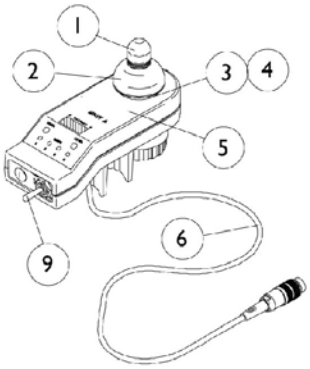
✪ *For chairs made before 5/1/00, the following must be ordered:*
RII Joystick part # (1092610)
RII Retro Controller part # (1095269)
Remote Programmer part # (1109091)



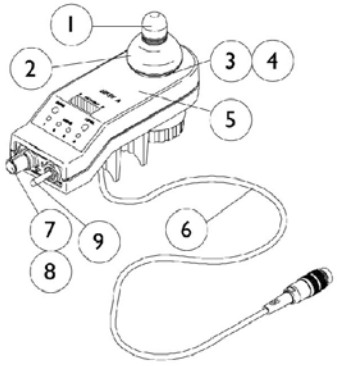
1092610
RII Joystick
After 4/30/00



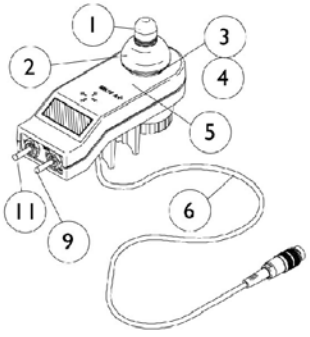
1038603
RX Joystick



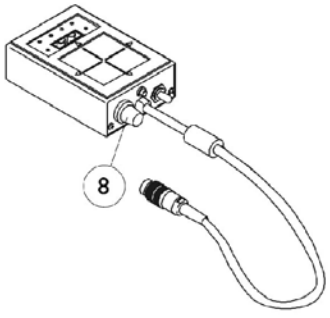
1038604
A Joystick
Before 9/1/96



1065944
A Joystick
After 8/31/96



1038608
A+ Joystick



1095289
TCHJOY
Touchpad "A"
Joystick

MKIV Joysticks
RII, RX, A, A+, TCHJOY

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1-12	B	See Chart	Item#s 1-12 RII, RX, A, A+, TCHJOY	1	1
	A,C	1080723-NLA	Joystick/Controller, MKIV RII	1	1
	B	1095269	Controller, MKIV RII Retro	1	1
	B	1109091	Programmer, Remote	1	1

NOTE: A - For chairs made before 5/1/00, the following must be ordered, RII Joystick #1092610, RII Retro Controller #1095269 and Remote Programmer #1109091.
B - Not Shown.
C - For joystick inductive and switch components, refer to chart under RII joystick assembly #1092610.

Item Number	Description	RII	RX	A Before 9/1/96	A After 8/31/96	A+	TCHJOY
See Pictorial	Joystick Assembly	1092610	1038603-NLA	1038604-NLA	1065944	1038608	1095289
1	Knob, Joystick	1040217	1040217	1040217	1040217	1040217	N/A
2	Skirt, Joystick	1040218	1040218	1040218	1040218	1040218	N/A
3	Inductive, Joystick	1036764 See Note(s) B, E	1036764 See Note(s) C, E	1036764 See Note(s) B, E	1036764 See Note(s) C, E	1036764 See Note(s) B, E	N/A
3	Inductive, Joystick	N/A	1104397 See Note(s) E, D	N/A	1104397 See Note(s) D, E	N/A	N/A
4	Boot, Joystick	50000X364	50000X364	50000X364	50000X364	50000X364	N/A
5	Overlay, Joystick Decal	1049692-NLA See Note(s) A	1038642	1040190	1040190	1036776	N/A
6	Cable Assembly	N/A See Note(s) A	1036750 See Note(s) C	1036750 See Note(s) B	1036750 See Note(s) C	1036750 See Note(s) B	N/A
6	Cable Assembly	N/A	1104205 See Note(s) D	N/A	1104205 See Note(s) D	N/A	N/A
7	Speed Potentiometer	1040225 See Note(s) B	1040225 See Note(s) C	N/A	1040225 See Note(s) C	N/A	N/A
7	Speed Potentiometer	N/A	1115518 See Note(s) D	N/A	1115518 See Note(s) D	N/A	N/A
8	Knob, Potentiometer	1025516	1025516	N/A	1025516	N/A	1025516
9	Switch, On/Off Momentary	N/A	N/A	1040185 See Note(s) B	1040185 See Note(s) C	1040185 See Note(s) B	N/A
9	Switch, On/Off Momentary	N/A	N/A	N/A	1115523 See Note(s) D	N/A	N/A

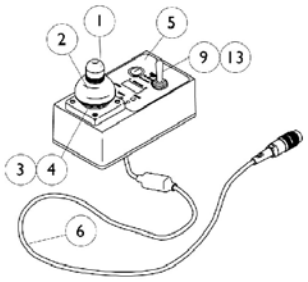
MKIV Joysticks
RII, RX, A, A+, TCHJOY

Item Number	Description	RII	RX	A Before 9/1/96	A After 8/31/96	A+	TCHJOY
10	Switch, Off/ 1-2	N/A	1038627 See Note(s) C	N/A	N/A	N/A	N/A
10	Switch, Off/ 1-2	N/A	1115521 See Note(s) D	N/A	N/A	N/A	N/A
11	Switch, Program	N/A	N/A	N/A	N/A	1040186 See Note(s) B	N/A
12	Switch, Toggle SPDT	1010042 See Note(s) B	N/A	N/A	N/A	N/A	N/A

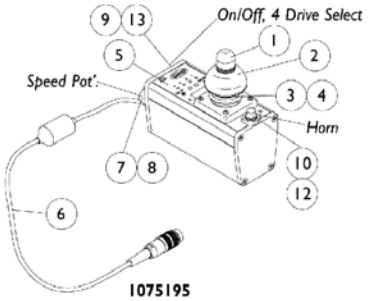
NOTE: A - Cable assembly and joystick overlay decal for RII joystick before 10/01/02 and after 9/30/02 are not available.
B - Item requires soldering.
C - Before 10/01/02 item requires soldering.
D - After 9/30/02 item has a non-solder connector.
E - The Dynamic Inductive Shaft will have a hole drilled 1/4" down from the top. Flightlink doesn't have this feature.

MKIV Joysticks
PS, PSF and PSR

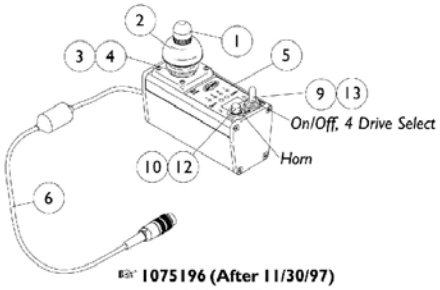
NOTE: PSR STANDARD joystick configuration below show the on/off switch on the left side for part # 1075196. When the on/off switch is required on the right side, refer to part number 8881075196 and order as a configurated part.



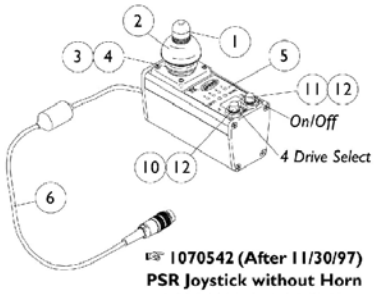
~~1058468~~ NLA
PS Joystick
(Before 12/1/97)



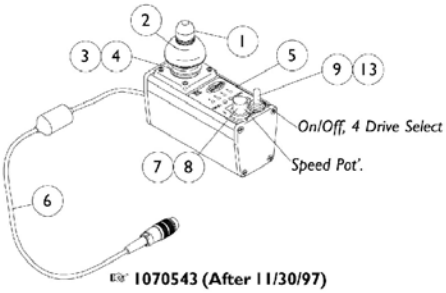
1075195
PSF Joystick
(After 11/30/97)



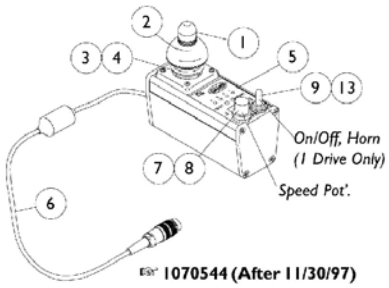
☞ 1075196 (After 11/30/97)
PSR Joystick
ON CHAIR: STANDARD



☞ 1070542 (After 11/30/97)
PSR Joystick without Horn
ON CHAIR: PBOD/OL



☞ 1070543 (After 11/30/97)
PSR Joystick without Horn
ON CHAIR: RHSS/OL



☞ 1070544 (After 11/30/97)
PSR Joystick
ON CHAIR: TOHSS/OL

☞ ***STANDARD:*** *This PSR joystick includes a toggle on/off combined with a drive select and a push button horn. No speed selector.*
PBOD: *This PSR joystick includes push button on/off with a push button drive select. This gives you access to the four drives, but no horn and no speed select.*
RHSS: *This PSR joystick replaces the horn with a speed selector. This allows you to deviate from having a horn to having a speed select dial, plus the drive selector to the four drives.*
TOHSS: *This PSR joystick includes a toggle on/off with horn and a speed select dial. You have access to only one drive.*
OL: *On/Off positioned on left side of the PSR joystick.*
OR: *On/Off positioned on right side of the PSR joystick.*

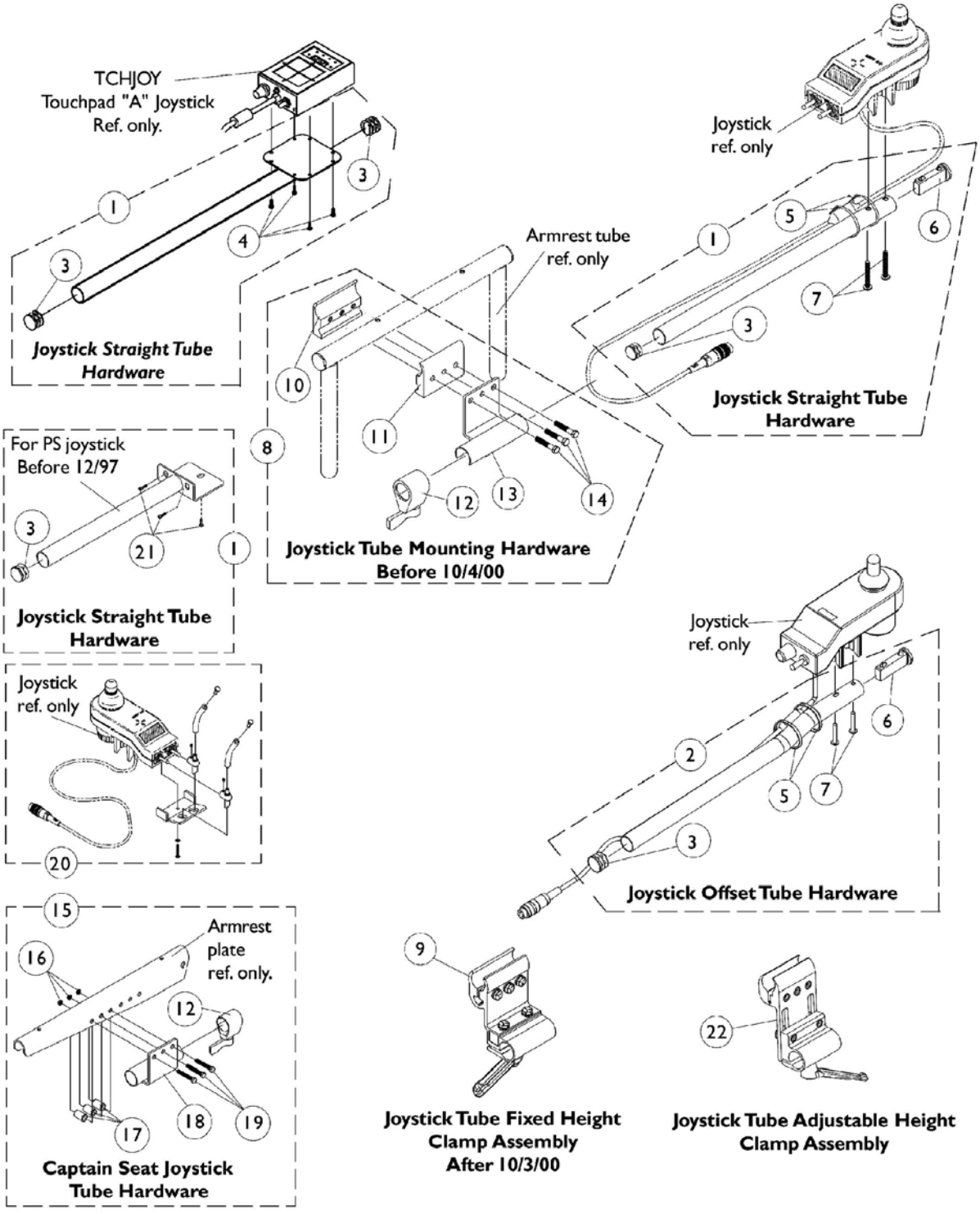
MKIV Joysticks
PS, PSF and PSR

NOTE: PSR STANDARD joystick configuration below show the on/off switch on the left side for part # 1075196. When the on/off switch is required on the right side, refer to part number 8881075196 and order as a configurated part.

Item Number	Description	PS Before 12/1/97	PSF After 11/30/97	PSR After 11/30/97
See Pictorial	Joystick Assembly	N/A	N/A	1075196
See Pictorial	Joystick Assembly	1058468-NLA	8881075195	8881075196
See Pictorial	Joystick Assembly	N/A	N/A	1070542
See Pictorial	Joystick Assembly	N/A	N/A	1070543
See Pictorial	Joystick Assembly	N/A	N/A	1070544
1	Knob, Joystick	1040217	1040217	1040217
2	Skirt, Joystick	1040218	1040218	1040218
3	Inductive, Joystick	1036764 See Note(s) A	1036764 See Note(s) A	1036764 See Note(s) A
4	Boot, Joystick	50000X364	50000X364	50000X364
5	Overlay, Joystick Decal	1058460-NLA	1075034	1079925
6	Cable Assembly	1036750	1036750	1036750
7	Speed Potentiometer	N/A	1040225	1040225
8	Knob, Potentiometer	N/A	1025516	1025516
9	Switch, On/Off Momentary	1040185	1040185	1040185
10	Switch, Push Button SPST Momentary	N/A	1010047	1010047
11	Switch, Push Button SPST	N/A	N/A	1010048
12	Boot, Switch	N/A	1010049	1010049
13	Boot, Switch	1058464	1058464	1058464

NOTE: A - The Dynamic Inductive Shaft will have a hole drilled 1/4" down from the top. Flightlink doesn't have this feature.

MKIV Joystick Mounting Hardware and Joystick Accessories


TCHJOY
Touchpad "A" Joystick
Ref. only.
Joystick Straight Tube Hardware
Joystick ref. only
Joystick Straight Tube Hardware
Armrest tube ref. only
Joystick Tube Mounting Hardware Before 10/4/00
For PS joystick Before 12/97
Joystick Straight Tube Hardware
Joystick ref. only
Joystick ref. only
Joystick Offset Tube Hardware
Armrest plate ref. only.
Captain Seat Joystick Tube Hardware
Joystick Tube Fixed Height Clamp Assembly After 10/3/00
Joystick Tube Adjustable Height Clamp Assembly

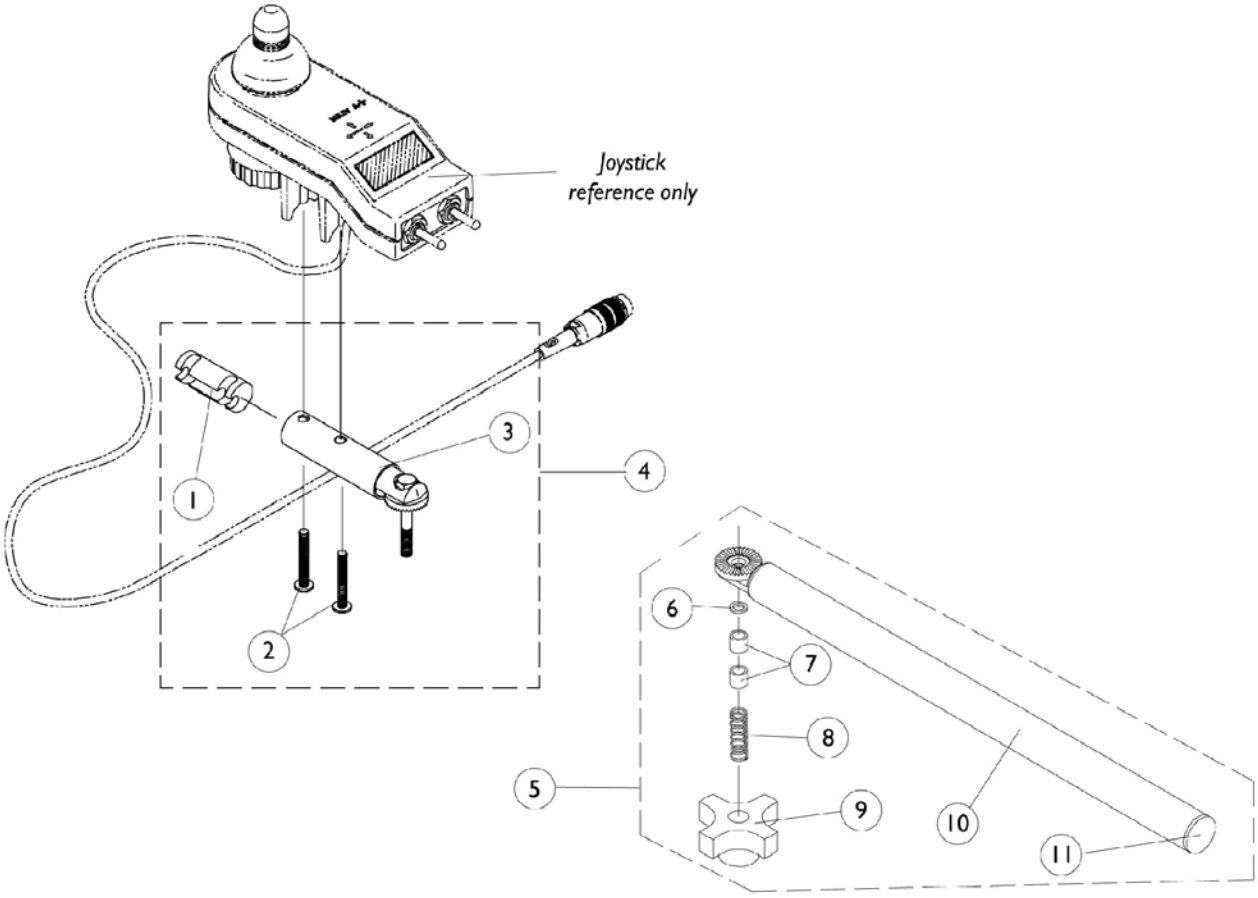
MKIV Joystick Mounting Hardware and Joystick Accessories

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	I	1052719	Kit, Straight Joystick Tube with Hardware	1	1
1	B,M	1092604	Kit, Straight Joystick Tube with Hardware	1	1
1	C,D,K	1043568	Kit, Straight Joystick Tube with Hardware	1	1
2	D,E,L,L1	1093069	Kit, 1/2" Offset Joystick Tube with Hardware	1	1
3		1027095	Plug Button, Black (7/8")	1	1
4		7930339	Screw, Phillips Pan Head (#4-40 x 3/8")	25	1
5	F	1095502	Package, Cable Ties (11-1/2" Long)	10	2
6		1093063	Spacer, Joystick Tube	1	1
7		7930327	Screw, Phillips Pan Head (#10-32 x 1-1/8")	25	1
8	C,G,J	1049591	Hardware, Joystick Tube Mounting	1	1
9	E,K,L,L1	1093071	Clamp, Fixed Height Joystick Tube	1	1
10		1027267	Half Clamp, Threaded Holes	1	1
11		1027266	Half Clamp, Non-Threaded Holes	1	1
12		1027274	Lock, Adjustment (Black)	1	1
13		1049582	Bracket, Joystick Mounting	1	1
14		7930349	Screw, Hex Head (1/4-20 x 1-1/8")	25	1
15	H,L,N	1105050	Kit, Joystick Tube Mounting Hardware - Captain/ Van Seat	1	1
16		7930323	Package, Locknut (1/4-20)	25	1
17		1101524	Spacer (1/4 x 7/16 x 5/8")	1	3
18	N	1105049	Clamp Assembly, Captain/Van Seat	1	1
19		1057955	Screw, Hex Head (1/4-20 x 1-1/4")	1	3
20		1055736	Toggle Switch Extension Kit	1	1
21		1016401	Screw, Phillips Round Head (#10-32 x 3/8")	1	3
22		1139422	Clamp, Height Adjustable Joystick Tube (ARM250)	1	1
	A	1006270	Joystick Extension - "T" Style (1560) (4" Wide x 5-1/2" Long)	1	1
	A	1006271	Joystick Extension - Straight Style (1561) (1/2" Wide x 5" Long)	1	1

MKIV Joystick Mounting Hardware and Joystick Accessories

NOTE:
A - Not Shown.
B - Includes items 3 and 4.
C - Before 10/4/00.
D - Includes items 3, 5, 6 and 7.
E - After 10/3/00. MKIV RII, RX, A, A+ PSF/PSR.
F - Package of 10.
G - Includes items 10-14.
H - Includes items 16-19.
I - Includes items 3 and 21.
J - PS, TCHJOY and (RII, RX, A, A+, PSF/PSR.
K - MKIV RII, RX, A, A+ PSF/PSR.
L - The joystick straight tube changed to an offset joystick tube on 10/4/00. The joystick tube mounting hardware also changed to a new fixed height clamp assembly to allow an individual to use an
L1 - adjustment lever to securely hold the joystick tube in place. The fixed height joystick tube clamp can be used as a direct replacement in the field for the joystick tube mounting hardware part number 1049591 manufactured for chairs before 10/4/00.
M - TCHJOY Touchpad "A" Joystick.
N - Due to product improvement, the joystick mounting bracket with a separate adjustment lock was replaced with the clamp assembly shown as of 2/20/03 and is backward compatible.

MKIV Swivel Joystick Hardware

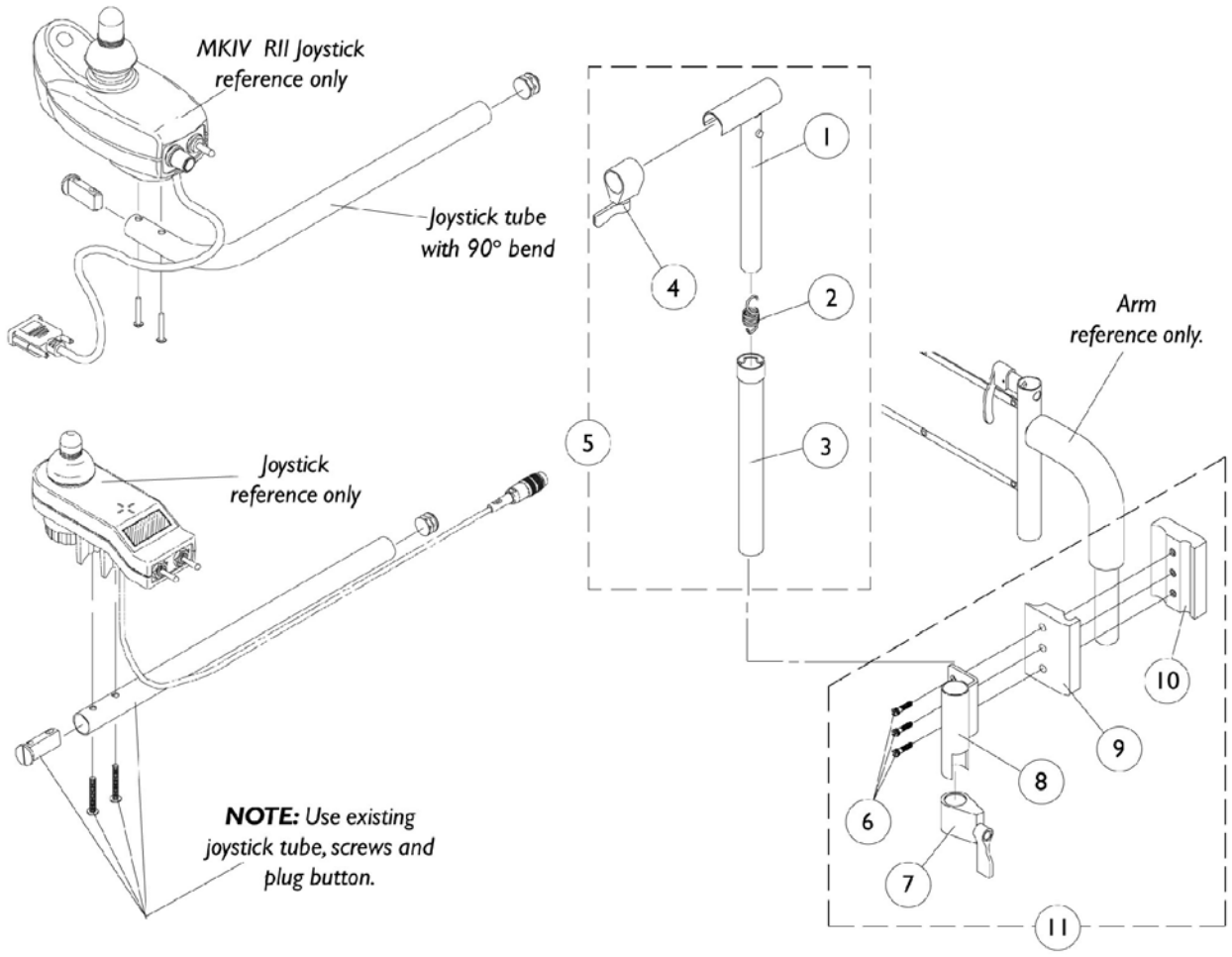


MKIV Swivel Joystick Hardware

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1093063	Spacer, Joystick Tube	1	1
2		7930327	Screw, Phillips Pan Head (#10-32 x 1-1/8")	25	1
3		1049962	Swivel Joystick Bracket, MKIV	1	1
4		1049963	Swivel Joystick Bracket with Hardware	1	1
5		1035986	Swivel Joystick Tube with Hardware	1	1
6		1020551	Washer, Flat (1/4 x 3/8 x 1/16")	1	1
7		1005844	Bushing	1	2
8		1002511	Spring, Hitch Bracket	1	1
9		1023670	Knob, Clamping	1	1
10		1035990	Tube, Swivel Joystick	1	1
11		1027095	Plug Button, Black (7/8")	1	1

MKIV Mid-Line Swing Bracket Assembly

NOTE: Joystick tube with 90 degree bend replaces the standard tube when joysticks PSF, PSR and (RII #1092610) are used. Joystick Tube with 90 degree bend must be ordered as a special when a replacement is needed.



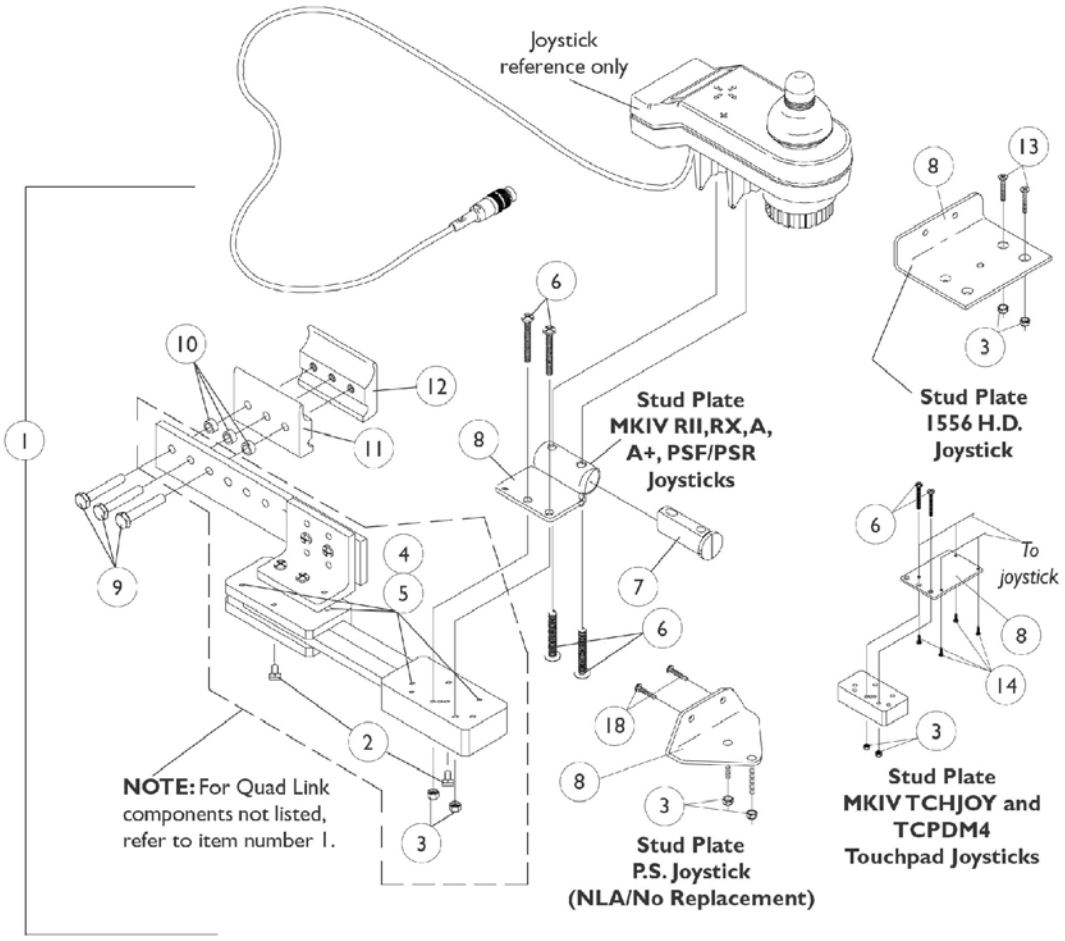
MKIV Mid-Line Swing Bracket Assembly

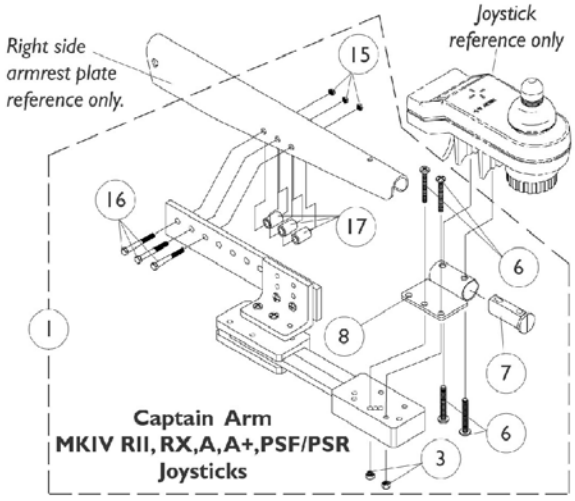
NOTE: Joystick tube with 90 degree bend replaces the standard tube when joysticks PSF, PSR and (RII #1092610) are used. Joystick Tube with 90 degree bend must be ordered as a special when a replacement is needed.

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1035528	Adjustment Tube, (Inside) Mid-Line	1	1
2		1016778	Spring, Extension	1	1
3		1035860	Adjustment Tube, (Outside) Mid-Line	1	1
4		1027274	Lock, Adjustment (Black)	1	1
5	A	1035852	Swing Bracket Assembly, Mid-Line	1	1
6		7930349	Screw, Hex Head (1/4-20 x 1-1/8")	25	1
7		1027274	Lock, Adjustment (Black)	1	1
8		1049582	Bracket, Joystick Mounting	1	1
9		1027266	Half Clamp, Non-Threaded Holes	1	1
10		1027267	Half Clamp, Threaded Holes	1	1
11	B	1049591	Hardware, Joystick Tube Mounting	1	1

NOTE: A - Includes items 1-4.
B - Includes items 6-10.

Quad Link Assembly
Before 4/07/06


Joystick reference only
Stud Plate MKIV RII,RX,A, A+, PSF/PSR Joysticks
Stud Plate 1556 H.D. Joystick
To joystick
Stud Plate MKIV TCHJOY and TCPDM4 Touchpad Joysticks
NOTE: For Quad Link components not listed, refer to item number 1.
Stud Plate P.S. Joystick (NLA/No Replacement)



Quad Link Assembly
Before 4/07/06

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1052402	Kit, Quad Link Assembly - Right	1	1
2			Ball Plunger with Lock Washer Assembly	2	1
3			Locknut (#10-32)	1	2
4			Screw, Socket Head (#10-32 x 1/2")	1	4
5			Bushing, Bronze (3/16 x 1/4 x 1/4")	1	4
6			Screw, Phillips Pan Head (#10-32 x 1-1/8")	1	4
7			Spacer, Joystick Tube	1	1
8			Stud Plate, Quad Link	1	1
9			Screw, Hex Head (1/4-20 x 1-1/2")	1	3
10			Spacer (1/4 x 3/8 x 3/16")	1	3
11			Half Clamp, Non-Threaded Holes	1	1
12			Half Clamp, Threaded Holes	1	1
1	A	1115372	Kit, Quad Link Assembly - Left	1	1
2			Ball Plunger with Lock Washer Assembly	2	1
3			Locknut (#10-32)	1	2
4			Screw, Socket Head (#10-32 x 1/2")	1	4
5			Bushing, Bronze (3/16 x 1/4 x 1/4")	1	4
6			Screw, Phillips Pan Head (#10-32 x 1-1/8")	1	4
7			Spacer, Joystick Tube	1	1
8			Stud Plate, Quad Link	1	1
9			Screw, Hex Head (1/4-20 x 1-1/2")	1	3
10			Spacer (1/4 x 3/8 x 3/16")	1	3
11			Half Clamp, Non-Threaded Holes	1	1
12			Half Clamp, Threaded Holes	1	1
1	B,F	1034703-NLA	Kit, Quad Link Assembly - Right	1	1
2			Ball Plunger with Lock Washer Assembly	2	1
3			Locknut (#10-32)	1	2
4			Screw, Socket Head (#10-32 x 1/2")	1	4
5			Bushing, Bronze (3/16 x 1/4 x 1/4")	1	4
8			Stud Plate, Quad Link For 1556 Heavy Duty Joystick	1	1
9			Screw, Hex Head (1/4-20 x 1-1/2")	1	3
10			Spacer (1/4 x 3/8 x 3/16")	1	3
11			Half Clamp, Non-Threaded Holes	1	1
12			Half Clamp, Threaded Holes	1	1
13			Screw, Phillips Flat Head Countersunk (#10-32 x 1-1/8")	1	2
1	B	1114866	Kit, Quad Link Assembly - Left	1	1
2			Ball Plunger with Lock Washer Assembly	2	1
3			Locknut (#10-32)	1	2
4			Screw, Socket Head (#10-32 x 1/2")	1	4
5			Bushing, Bronze (3/16 x 1/4 x 1/4")	1	4
8			Stud Plate, Quad Link For 1556 Heavy Duty Joystick	1	1

Quad Link Assembly
Before 4/07/06

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
9			Screw, Hex Head (1/4-20 x 1-1/2")	1	3
10			Spacer (1/4 x 3/8 x 3/16")	1	3
11			Half Clamp, Non-Threaded Holes	1	1
12			Half Clamp, Threaded Holes	1	1
13			Screw, Phillips Flat Head Countersunk (#10-32 x 1-1/8")	1	2
1	C	1102027	Kit, Quad Link Assembly - Right For TCHJOY/TCPDM4 Touchpad	1	1
2			Ball Plunger with Lock Washer Assembly	2	1
3			Locknut (#10-32)	1	2
4			Screw, Socket Head (#10-32 x 1/2")	1	4
5			Bushing, Bronze (3/16 x 1/4 x 1/4")	1	4
6			Screw, Phillips Pan Head (#10-32 x 1-1/8")	1	2
8			Stud Plate, Quad Link MKIV TCHJOY/TCPDM4	1	1
9			Screw, Hex Head (1/4-20 x 1-1/2")	1	3
10			Spacer (1/4 x 3/8 x 3/16")	1	3
11			Half Clamp, Non-Threaded Holes	1	1
12			Half Clamp, Threaded Holes	1	1
14			Screw, Phillips Flat Head Countersunk (#4-40 x 3/8")	1	4
1	D	1074153	Kit, Quad Link Assembly - Right For Van Seats	1	1
2			Ball Plunger with Lock Washer Assembly	2	1
3			Locknut (#10-32)	1	2
4			Screw, Socket Head (#10-32 x 1/2")	1	4
5			Bushing, Bronze (3/16 x 1/4 x 1/4")	1	4
6			Screw, Phillips Pan Head (#10-32 x 1-1/8")	1	4
7			Spacer, Joystick Tube	1	1
8			Stud Plate, Quad Link	1	1
15			Locknut (1/4-20)	1	3
16			Screw, Hex Head (1/4-20 x 1-1/2")	1	3
17			Spacer (1/4 x 7/16 x 5/8")	1	3
1	E	1106191-NLA	Kit, Quad Link Assembly - Right For PS joystick	1	1
2			Ball Plunger with Lock Washer Assembly	2	1
3			Locknut (#10-32)	1	2
4			Screw, Socket Head (#10-32 x 1/2")	1	4
5			Bushing, Bronze (3/16 x 1/4 x 1/4")	1	4
8			Stud Plate, Quad Link P.S. Joystick	1	1
9			Screw, Hex Head (1/4-20 x 1-1/2")	1	3
10			Spacer (1/4 x 3/8 x 3/16")	1	3
11			Half Clamp, Non-Threaded Holes	1	1

Quad Link Assembly
Before 4/07/06

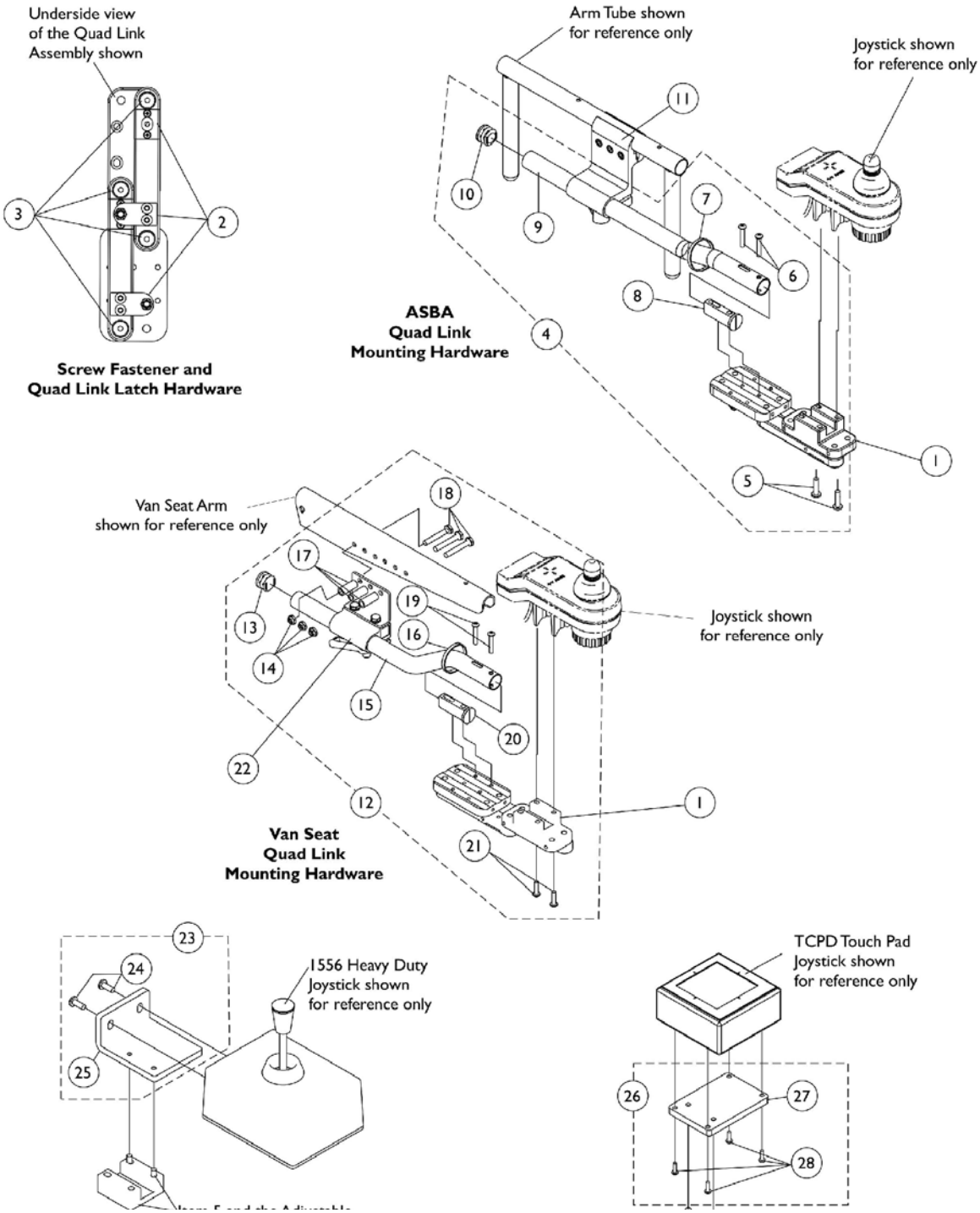
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
12			Half Clamp, Threaded Holes	1	1
18			Screw, Phillips Pan Head (#10-32 x 3/4")	1	2
2		1114863	Ball Plunger with Lock Washer Assembly	2	1

NOTE:
A - Includes the Quad Link, items 2-12 and used with MKIV RII, RX, A, A+, PSF/PSR joysticks
B - Includes the Quad Link, items 2-5, 8-13 and used with a 1556 Heavy duty joystick
C - Includes the Quad Link, items 2-6, 8-12, 14 and used with MKIV TCHJOY/TCPDM4 joysticks. For left side mounted Quad Link, order as a special.
D - Includes the Quad Link, items 2-8, 15-17 and used with MKIV RII, RX, A, A+, PSF/PSR joysticks for Van Seats. For left side mounted Quad Link, order as a special.
E - Includes the Quad Link, items 2-5, 8-12, 18 and used with a PS joystick.
F - Quad Link Assembly is no longer available. Please see Quad Link Assembly (After 4/06/06) category and use new Quad LInk design as a replacement.

Quad Link Assembly (QL)

After 4/06/06

When converting an old style Quad Link that attaches to a mounting plate or (a Flex or Touch Pad Joystick Tube) is currently on the chair then order the following for:
a) ASBA Seat; Quad Link Mtg. Hdwr. (item 4), Quad Link (item 1) & Ht. Adj. Joystick Tube Clamp (item 11)
b) Van Seat; Quad Link Mtg. Hdwr. (item 12), Quad Link (item 1) & Joystick Tube Clamp (item 22)
NOTE: Substitute (item 4 & 12) with 2 ea. of the PPH Screws (item 5) when an offset joystick tube is currently on the chair. Additional Joystick Mtg. Hdwr. must be ordered when a 1556 Heavy Duty or TCPD Touch Pad is used.


Underside view of the Quad Link Assembly shown
Screw Fastener and Quad Link Latch Hardware
Arm Tube shown for reference only
Joystick shown for reference only
ASBA Quad Link Mounting Hardware
Van Seat Arm shown for reference only
Joystick shown for reference only
Van Seat Quad Link Mounting Hardware
1556 Heavy Duty Joystick shown for reference only
TCPD Touch Pad Joystick shown for reference only

Quad Link Assembly (QL)

After 4/06/06

When converting an old style Quad Link that attaches to a mounting plate or (a Flex or Touch Pad Joystick Tube) is currently on the chair then order the following for:
a) ASBA Seat; Quad Link Mtg. Hdwr. (item 4), Quad Link (item 1) & Ht. Adj. Joystick Tube Clamp (item 11)
b) Van Seat; Quad Link Mtg. Hdwr. (item 12), Quad Link (item 1) & Joystick Tube Clamp (item 22)
NOTE: Substitute (item 4 & 12) with 2 ea. of the PPH Screws (item 5) when an offset joystick tube is currently on the chair. Additional Joystick Mtg. Hdwr. must be ordered when a 1556 Heavy Duty or TCPD Touch Pad is used.

Item 5 and the Adjustable Joystick Tray shown for reference only

Quad Link Assembly (QL)

After 4/06/06

When converting an old style Quad Link that attaches to a mounting plate or (a Flex or Touch Pad Joystick Tube) is currently on the chair then order the following for:
a) ASBA Seat; Quad Link Mtg. Hdwr. (item 4), Quad Link (item 1) & Ht. Adj. Joystick Tube Clamp (item 11)
b) Van Seat; Quad Link Mtg. Hdwr. (item 12), Quad Link (item 1) & Joystick Tube Clamp (item 22)
NOTE: Substitute (item 4 & 12) with 2 ea. of the PPH Screws (item 5) when an offset joystick tube is currently on the chair. Additional Joystick Mtg. Hdwr. must be ordered when a 1556 Heavy Duty or TCPD Touch Pad is used.

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1140898	Quad Link (QL) and Instruction Sheet - Right	1	1
1		1140899	Quad Link (QL) and Instruction Sheet - Left	1	1
2	A	1140425	Kit, Quad Link Latch Hardware	1	1
3	B	1140424	Kit, Quad Link Screw Fastener Hardware	1	1
4	C,C1	1142937	Kit, ASBA/ADJASBA Quad Link Mounting Hardware	1	1
5			Screw, Phillips Pan Head w/ Patch (10-32 x 3/4")	1	2
6			Screw, Phillips Pan Head (#10-32 x 1-1/8")	1	2
7			Cable Tie (11-1/2" Long)	1	1
8			Spacer, Joystick Tube	1	1
9			Tube, Joystick 2" Offest	1	1
10			Plug Button, Black (7/8")	1	1
5		1105414	Screw, Phillips Pan Head w/ Patch (10-32 x 3/4")	1	2
11		1093071	Clamp, Fixed Height Joystick Tube	1	1
12	C1,G,H,H1	1143041	Kit, Quad Link Mounting Hardware - Van Seat	1	1
13			Plug Button, Black (7/8")	1	1
14			Locknut (1/4-20)	1	3
15			Tube, Joystick 2" Offest	1	1
16			Cable Tie (11-1/2" Long)	1	1
17			Spacer (1/4 x 7/16 x 5/8")	1	3
18			Screw, Hex Head (1/4-20 x 1-1/4")	1	3
19			Screw, Phillips Pan Head (#10-32 x 1-1/8")	1	2
20			Spacer, Joystick Tube	1	1
21			Screw, Phillips Pan Head w/ Patch (10-32 x 3/4")	1	2
22		1139681	Clamp, Van Seat Arm Joystick Tube	1	1
23	D	1139925-NLA	Kit, 1556 Heavy Duty Joystick To Quad Link Mounting Hardware	1	1
24			Screw, Phillips Pan Head (#10-32 x 1/2")	1	2
25			Plate, 1556 HD Joystick Quad Link	1	1
26	E	1139683	Kit, TCPD Touch Pad To Quad Link Mounting Hardware	1	1
27			Plate, TCPD Touch Pad Quad Link	1	1
28			Screw, Phillips Pan Head (#4-40 x 3/8")	1	4
29		1139682	Kit, MPJ Joystick To Quad Link Mounting Hardware	1	1
30			T-Nut (#10-32)	1	2
	F	1134844	Instruction Sheet, Quad Link	1	1

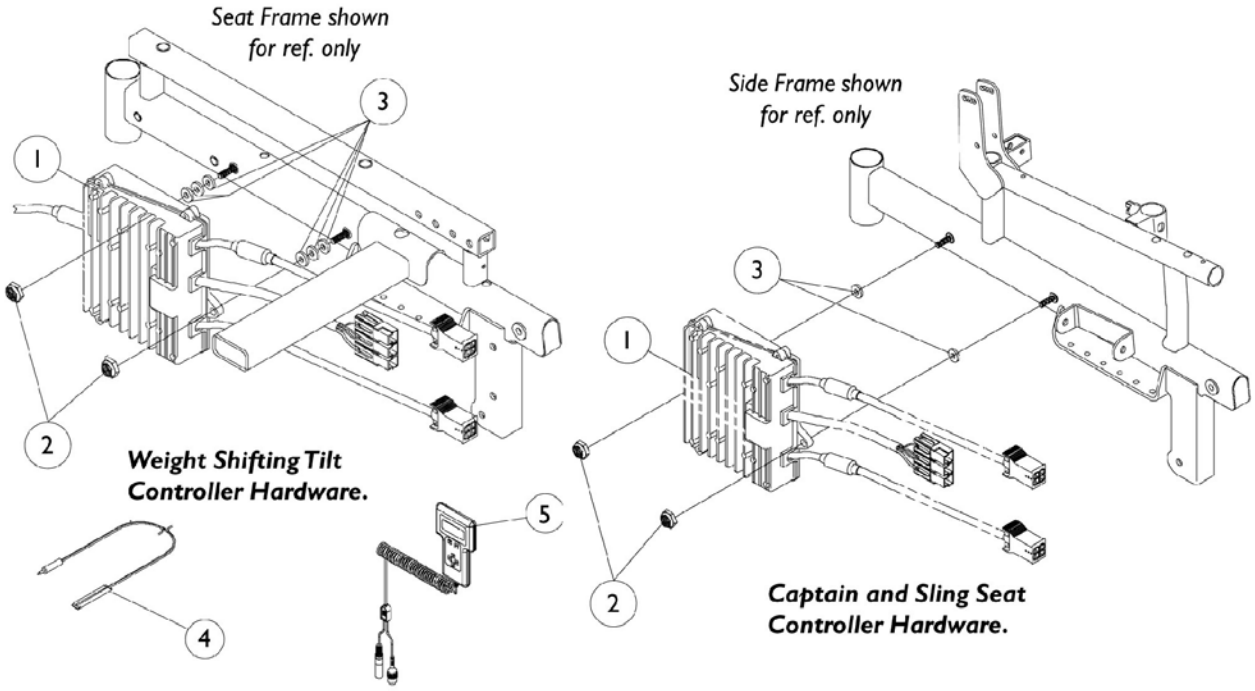
Quad Link Assembly (QL)

After 4/06/06

When converting an old style Quad Link that attaches to a mounting plate or (a Flex or Touch Pad Joystick Tube) is currently on the chair then order the following for:
a) ASBA Seat; Quad Link Mtg. Hdwr. (item 4), Quad Link (item 1) & Ht. Adj. Joystick Tube Clamp (item 11)
b) Van Seat; Quad Link Mtg. Hdwr. (item 12), Quad Link (item 1) & Joystick Tube Clamp (item 22)
NOTE: Substitute (item 4 & 12) with 2 ea. of the PPH Screws (item 5) when an offset joystick tube is currently on the chair. Additional Joystick Mtg. Hdwr. must be ordered when a 1556 Heavy Duty or TCPD Touch Pad is used.

NOTE:
A - Latch Kit includes 4 ea. Button Head Cap Screws (10-32 x 3/8"), 2 ea. Latch Spring Assembly, 4 ea. Phillips Flat C'Sunk Head Screws, 2 ea. Spring Catch Plates, 2 ea. Socket Head Set Screws (10-32 x 3/8")
B - Screw Fastener Kit includes 4 ea. Socket Head Shoulder Screws (3/8 x 3/8"), 2 ea. Socket Head Cap Screws (1/4-20 x 3/8"), 2 ea. Socket Head Set Screws (1/4-20 x 1/2"), 4 ea. Socket Head Set Screws (10-32 x 1/8")
C - Includes items 5-10. The Quad Link Mounting Hardware accommodates MKIV RII, and PSF/PSR joysticks.
C1 - When ordering the Quad Link for the first time, Additional hardware is required for 1556 Heavy Duty and TCPD Touch Pad joysticks. See pictorial for reference.
D - Includes items 24 and 25
E - Includes items 27 and 28
F - Not Shown
G - Includes items 13-21. The Quad Link Mounting Hardware accommodates MKIV RII, and PSF/PSR joysticks.
H - If Quad Link is to be mounted on chairs w/ van seats built Before 3/31/06, then the Armrest Attach. Hdwr. (1074120) must be ordered as well.
H1 - The new armrest plates have 3 additional holes drilled so that the quad link can be properly mounted.

MKIV Controller, Programmer and Attaching Hardware

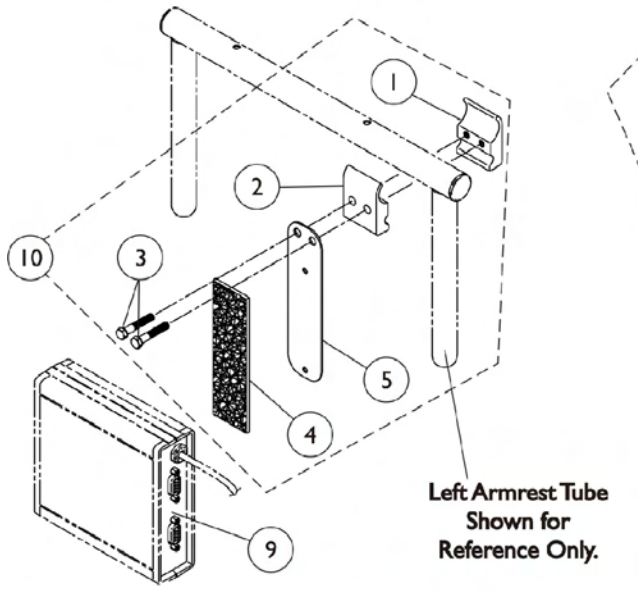


MKIV Controller, Programmer and Attaching Hardware

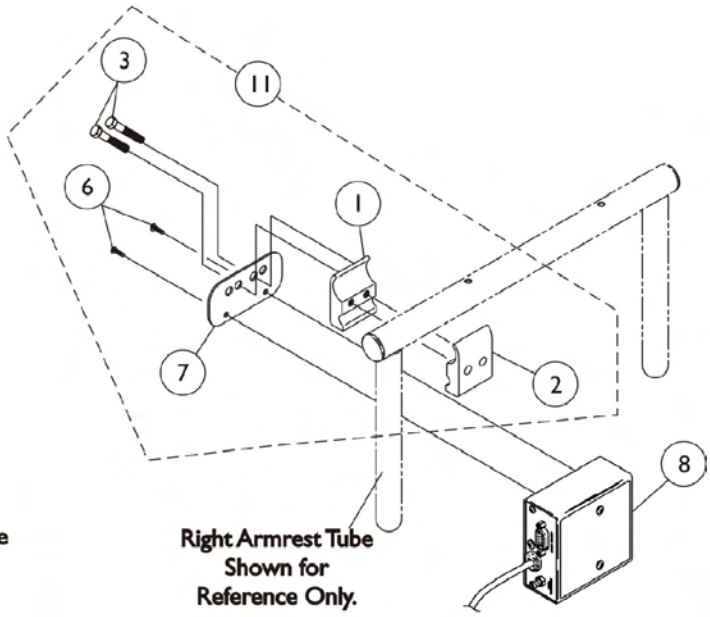
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1105707	Controller, MKIV Quad Pulse	1	1
1	B,D	1095269	Controller, MKIV RII Retro	1	1
2		7930323	Package, Locknut (1/4-20)	25	1
3	E	1018739	Washer (1/4 x 5/8 x 3/32")	1	2
3		1020818	Switch, Red Flex Ribbon (Tape) Reset	1	1
3	G	1123276	Kit, Switch, Black Egg Reset, with Hook/Loop Adhesive Back Fastener & Attaching Screws (EGSBLK)	1	1
3	F	1018739	Washer (1/4 x 5/8 x 3/32")	1	6
4	A	1109091	Programmer, Remote	1	1
5	C	1064404-NLA	Virtual Service Modem Kit	1	1
	C	1095204	Cable, Virtual Service Charger/Modem	1	1
	C	1091631-NLA	Virtual Service Software Kit	1	1
	C	1091980-NLA	Disk, 3.5 H.D. Floppy with V.S. Software	1	1
	C	1091637-NLA	Adaptor, Null Modem	1	1
	C	1091636-NLA	Service Manual - V.S. Software Kit	1	1
	C	1095204	Cable, Virtual Service Charger/Modem	1	1
	C	1046117-NLA	Printer and Interface	1	1
	C	1026572-NLA	Paper, Printer	1	1
	C	1027280-NLA	Harness, Printer Wiring	1	1

NOTE:
A - Remote programmer #1109091 with the dual connectors (3-pin and 5-pin) is the only programmer functionable with the new RII joystick #1092610.
B - RII retro controller after 4/30/00 and new RII joystick #1092610 serve as direct replacements for Joystick/Controller #1080723.
C - Not Shown.
D - After 4/30/00.
E - Non-Weight Shifting Tilt.
F - Weight Shifting Tilt.
G - Not Shown. After 5/23/04 the Egg Reset Switch became available as a service part and can be used as a direct replacement for the tape reset switch part # 1020818.

MKIV Sip-N-Puff/Digital Interface and COM12 and COM34



COM12 And COM34 ON CHAIR
1038639 1086241 OFF CHAIR



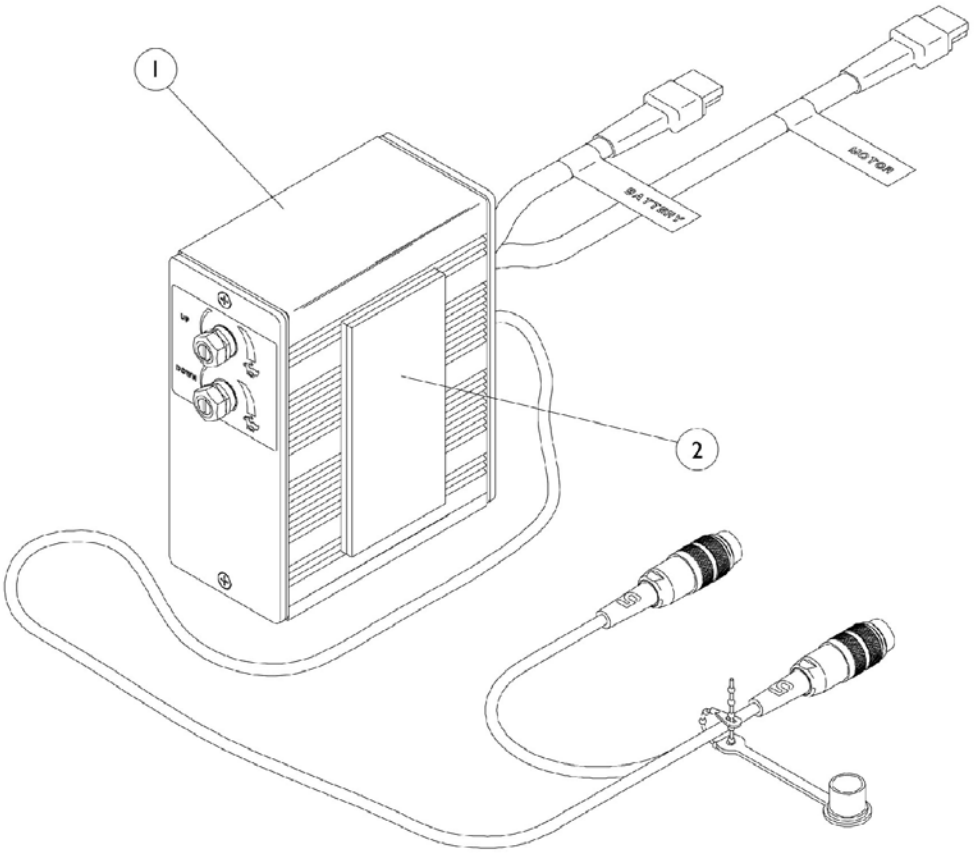
SNPM4 ON CHAIR
1038635 OFF CHAIR

MKIV Sip-N-Puff/Digital Interface and COM12 and COM34

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
8		1038635	Sip-N-Puff with Digital Interface	1	1
9		1038639	Communication Module, COM12/AUX12	1	1
9		1086241	Communication Module, COM34/AUX34	1	1
10	A	1049592	Kit, COM12/AUX12 and COM34/AUX34 Mounting Hardware	1	1
1			Half Clamp, Threaded Holes	1	1
2			Half Clamp, Non-Threaded Holes	1	1
3			Screw, Hex Head (1/4-20 x 1-1/8")	1	2
4			Fastener, Dual Lock Hook and Loop Adhesive (2" W x 12" L)	1	1
5			Mounting Plate, COM12/AUX12 and COM34/AUX34	1	1
11	B,C	1049593	Kit, SNP/DI, MK5 SAC, 4WSB, S4WSB, GTAM, AUX12M6, AUX34M6 Mtg. Hdwr.	1	1
1			Half Clamp, Threaded Holes	1	1
2			Half Clamp, Non-Threaded Holes	1	1
3			Screw, Hex Head (1/4-20 x 1-1/8")	1	2
6			Screw, Phillips Pan Head (#4-40 x 3/8")	1	2
7			Plate, Mounting	1	1

NOTE: A - Mounting hardware includes items 1-5. Item 4 that is packaged with the kit will only be a 4" long "loop" fastener
B - Includes items 1-3 and 6-7
C - As of 5/22/07 the Mounting Plate holes and the orientation of the Hardware was revised to attach the electronics closer to the chair. The Mounting Hardware Kit is backward compatible.

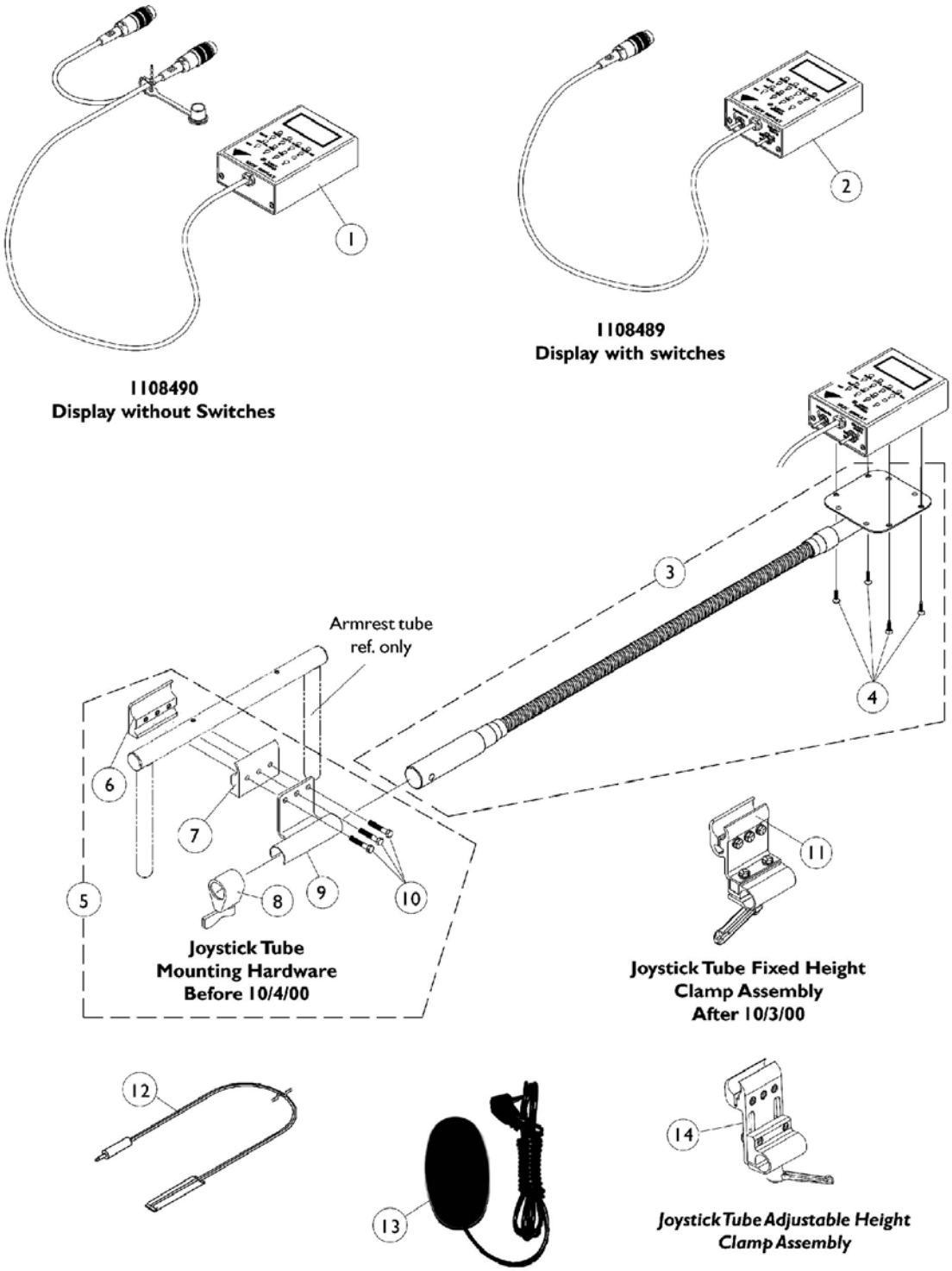
MKIV Recliner Control and Recliner Cable



Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1054376	Control, Recliner	1	1
2		1095501	Fastener, Dual Lock Hook and Loop Adhesive (2" W x 12" L)	1	1
	A	1005151	Cable, Recliner	1	1

NOTE: A - Not Shown.

MKIV Displays



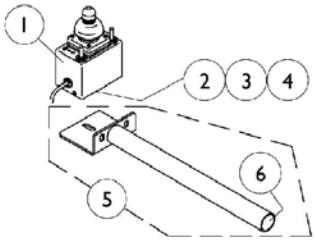
MKIV Displays

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1108490	Display without Switches	1	1
2		1108489	Display with Switches	1	1
3	A	1049594	Flex Tube with Screws	1	1
4		7930339	Screw, Phillips Pan Head (#4-40 x 3/8")	1	4
5	B	1049591	Hardware, Joystick Tube Mounting	1	1
6		1027267	Half Clamp, Threaded Holes	1	1
7		1027266	Half Clamp, Non-Threaded Holes	1	1
8		1027274	Lock, Adjustment (Black)	1	1
9		1049582	Bracket, Joystick Mounting	1	1
10		16690X004	Screw, Hex Head (1/4-20 x 1-1/8")	1	1
11	C	1093071	Clamp, Fixed Height Joystick Tube	1	1
12	D	1020818	Switch, Red Flex Ribbon (Tape) Reset	1	1
13	E	1123276	Kit, Switch, Black Egg Reset, with Hook/Loop Adhesive Back Fastener & Attaching Screws (EGSBLK)	1	1
14		1139422	Clamp, Height Adjustable Joystick Tube (ARM250)	1	1

NOTE: A - Includes the Flex Tube and item 4
B - Before 10/4/00 and includes items 6-10
C - After 10/3/00 and can be used as a direct replacement for the Joystick Tube Mounting Hardware part number 1049591 in the field
D - Before 5/24/04
E - After 5/23/04 the Egg Reset Switch replaced the Red Flex Ribbon (Tape) Reset Switch

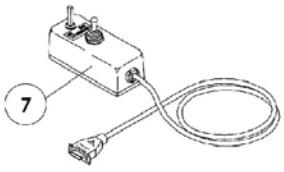
MKIV Joystick Options

REMOTE JOYSTICK



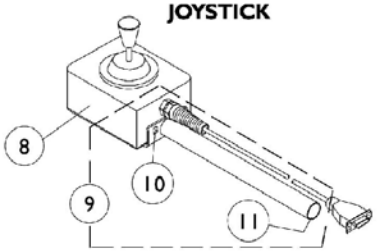
ON CHAIR: 1555M4
OFF CHAIR: ✪1038634
Used with display w/o switches
1108490

ATTENDANT CONTROL JOYSTICK



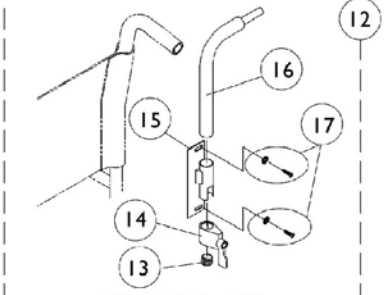
ON CHAIR: 1552M4
OFF CHAIR:✪1025590

HEAVY DUTY JOYSTICK



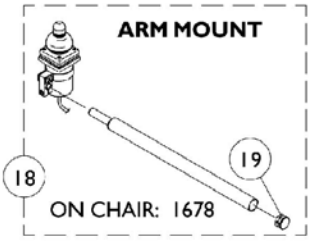
ON CHAIR: 1556M4
OFF CHAIR: ✪1041544
Used with display w/ switches
1108489

REAR CANE MOUNT



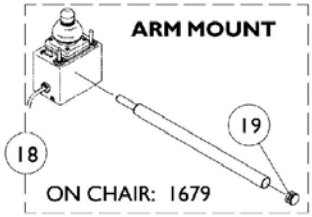
ON CHAIR: 1673

ARM MOUNT



ON CHAIR: 1678

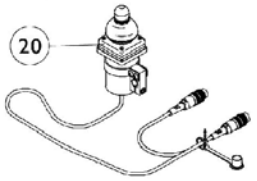
ARM MOUNT



ON CHAIR: 1679

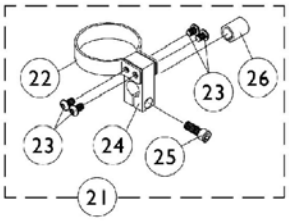
NOTE: Arm mounting tube shown above and additional arm mounting hardware are shipped when the On-Chair model number 1678 or 1679 is ordered.

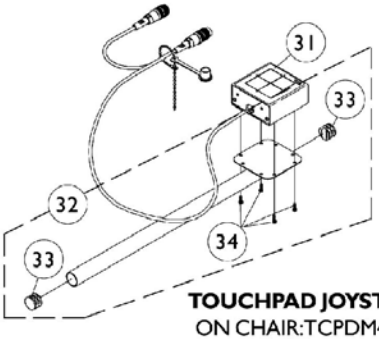
DUAL/COMPACT JOYSTICK W/ MTG. HARDWARE



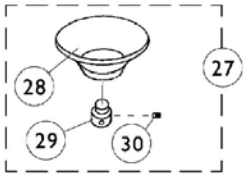
ON CHAIR: 1812M4/1558M4
OFF CHAIR:✪1038638

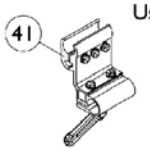
DUAL/COMPACT JOYSTICK MOUNTING HARDWARE



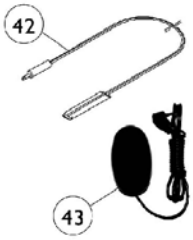


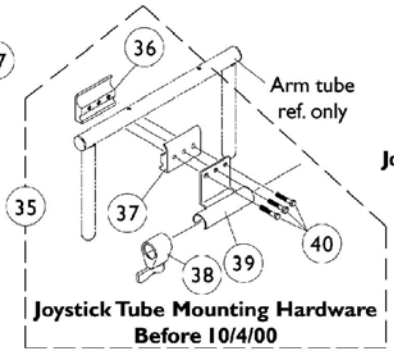
TOUCHPAD JOYSTICK
ON CHAIR:TCPDM4
OFF CHAIR:✪1091353
Used with display w/ switches
1108489



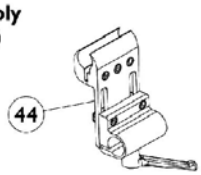


Joystick Tube Fixed Height Clamp Assembly After 10/3/00





Joystick Tube Mounting Hardware Before 10/4/00



Joystick Tube Adjustable Height Clamp Assembly

✪ Reset Switch may be required.

MKIV Joystick Options

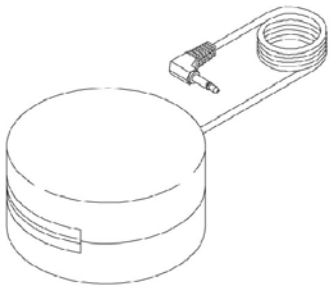
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1038634	Joystick, Remote	1	1
2		1010848	Clamp, Universal Swivel	1	1
3		12595X000	Lock Handle	1	1
4		40204X000	Nut, Hex (1/4-20)	1	1
5		1044928	Joystick Tube with Plug Button	1	1
6		1027095	Plug Button, Black (7/8")	1	1
7		1025590	Joystick, Attendant Control (1552M)	1	1
8		1041544-NLA	Joystick, Heavy Duty	1	1
9	A	1052719	Kit, Straight Joystick Tube with Hardware	1	1
10		1016401	Screw, Phillips Round Head (#10-32 x 3/8")	1	3
11		1027095	Plug Button, Black (7/8")	1	1
12	B	1044917	Hardware, Rear Cane Mount (1673/RCM)	1	1
13		1027095	Plug Button, Black (7/8")	1	1
14		1027274	Lock, Adjustment (Black)	1	1
15		1025245	Bracket, Upright -Right	1	1
16		1044918	Joystick Tube	1	1
17		1076284	Screw w/ washer (#10 x 7/8")	2	1
18	C	1052309	Arm Mount Tube with Plug Button	1	1
19		1027095	Plug Button, Black (7/8")	1	1
20		1038638	Joystick, MKIV Dual/Compact	1	1
21	D	1108012	Hardware, Dual/Compact Joystick Clamp Mounting	1	1
22		1025048	Clamp	1	1
23		1021460	Screw, Socket Button Head (#10-32 x 5/16")	1	4
24		1025045	Clamp, Mounting	1	1
25		1027089	Screw, Socket Head Cap (#10-24 x 1/2")	1	1
26		1026273	Spacer, Split (3/8" I.D.)	1	1
27	E	1020392	Chin Cup Assembly (1826)	1	1
28		1017545	Chin Cup	1	1
29		1017612	Screw, Adaptor	1	1
30		90032X000	Screw, Socket Set (#8-32 x 1/4")	1	2
31		1091353	Touchpad, Joystick Assembly	1	1
32	F	1092604	Kit, Straight Joystick Tube with Hardware	1	1
33		1027095	Plug Button, Black (7/8")	1	2
34		1052041	Screw, Phillips Pan Head (#4-40 x 3/8")	1	4
35	G	1049591	Hardware, Joystick Tube Mounting	1	1
36		1027267	Half Clamp, Threaded Holes	1	1
37		1027266	Half Clamp, Non-Threaded Holes	1	1
38		1027274	Lock, Adjustment (Black)	1	1
39		1049582	Bracket, Joystick Mounting	1	1
40		16690X004	Screw, Hex Head (1/4-20 x 1-1/8")	1	3
41	H	1093071	Clamp, Fixed Height Joystick Tube	1	1
42	I	1020818	Switch, Red Flex Ribbon (Tape) Reset	1	1
43	J	1123276	Kit, Switch, Black Egg Reset, with Hook/Loop Adhesive Back Fastener & Attaching Screws (EGSBLK)	1	1

MKIV Joystick Options

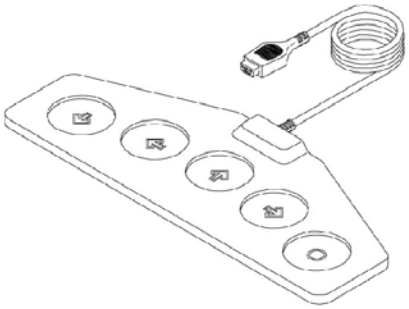
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
44		1139422	Clamp, Height Adjustable Joystick Tube (ARM250)	1	1
	K	1108490	Display without Switches	1	1
	L	1108489	Display with Switches	1	1

NOTE:
A - Includes the joystick tube and items 10 and 11
B - Includes items 13-17
C - For On-Chair model numbers 1678 and 1679. Includes the joystick tube and item 19
D - Includes items 22-26
E - Includes items 28-30
F - Includes the joystick tube, items 33 and 34
G - Before 10/4/00 and includes items 36-40
H - After 10/3/00. Individual components are non-saleable. Can be used as a direct replacement in the field for the Joystick Tube Mounting Hardware part number 1049591.
I - Before 5/24/04
J - After 5/23/04. The Egg Reset Switch replaced the Red Flex Ribbon (Tape) Reset Switch
K - Not Shown and used with the Remote Joystick
L - Not Shown and used with the Heavy Duty and Touch Pad Joystick

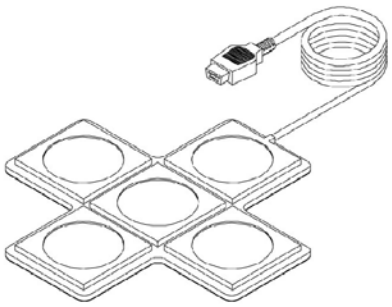
Tash and Therafin Accessories



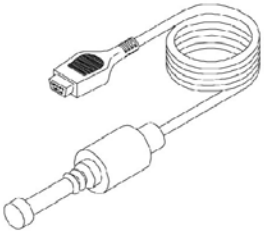
P5820 - Red Soft Switch
P5821 - Green Soft Switch



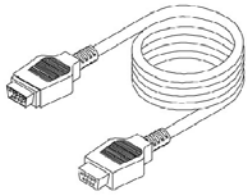
✪ *P5018 - Wafer Board*



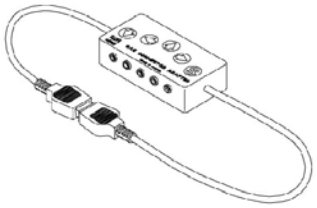
✪ *P5026 - Star Control*



✪ *P5020*
Mini Joystick with Push



P4337
Multi-Ability Cable



P4353
CA5 Multi-Connector Box

P5970
"U" Clamp

Tash and Therafin Accessories

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
	B	P5820	Switch, Red Soft	1	1
	B	P5821	Switch, Green Soft	1	1
	A,B	P5018	Wafer Board (5018)	1	1
	A,B	P5026	Star Control	1	1
	A,B	P5020	Mini Joystick with Push (5020)	1	1
	B	P4337	Multi-Ability Cable	1	1
	B	P4353	CA5 Multi-Connector Box	1	1
	B	P5970	"U" Clamp	1	1
	C	1142362	Bib Assembly (PKG32669)	1	1
	C	P21456	Adaptor Clamp - Tash	1	1
	C	P21457	Adaptor Clamp - Invacare	1	1
	C	P21460	Midline Swingway System	1	1
	C	1140824	Sip-N-Puff, 16" Fixed (PKG32666) Includes: 3 Air Tube Straws, 2 Saliva Traps, Tubing, Pivot Shaft/Flexible Metal Gooseneck Assembly, and Extruded Figure "8" Clamp to fit 7/8" Wheelchair Frame Tubing. Extruded Back Cane Adapter Clamp also included.	1	1
	C	1108489	Display with Switches	1	1

NOTE: A - Must be used with display with switches #1108489.
B - See pictorial for reference
C - Not Shown

NOTE: For more information on Tash and Therafin products, please contact one of our Rehab Specialists.

Power Wheelchair Tool Kit

Multimeter with Leads

Grounding Wire

1" Test Leads

Protractor/Angle Locator

Invacare Pen Light

Invacare Tape Measure

Invacare Phillips/Flat Head Screwdriver

MKIV Programmer

Virtual Service Charger Cable

Power Wheelchair Tool Kit

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1125222	Kit, Power Wheelchair Tool Includes: 1 ea. Multimeter with Leads 1 ea. Locator, Protractor/Angle Magnetic Base 1 ea. Instructions, MKIV Programmer 1 ea. Wire, Grounding with Hand Strap and Clip 1 ea. Leads, 1" Test 1 ea. Light, Pen with Invacare Logo 1 ea. Tape Measure, Compact with Invacare Logo 1 ea. Screwdriver, Pen-Size Phillips/Flat Head 1 ea. Cable, Virtual Service Charger/Modem	1	1

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Yes, you can. ™

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Form No. 97-187